

UNITED STATES AIR FORCE SCHOOL OF AEROSPACE MEDICINE

Boeing Michigan Aeronautical Research Center (BOMARC) Missile Shelters and Bunkers Scoping Survey Report

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14. ABSTRACT The Weapons Safety Division, Headquarters, Air Force Safety Center (HQAFC/SEW) and Radiation Health Branch, USAF School of Aerospace Medicine (USAFSAM/OEHH) performed radiological scoping surveys on Boeing Michigan Aeronautical Research Center (BOMARC) site structures. Work coincided with oversight responsibilities during final status surveys and spot remediation under contract to Cabrera Services, and later remedial actions in pits and bunkers. In general, survey findings were comparative to survey measurements of shelter interiors performed during the Remedial Investigation/Feasibility Study in 1990. Based on reasonable future uses of the shelters, residual contamination levels are well below criterion recommended in the scoping survey workplan in support of ongoing site activities, or demolition of concrete and re-use. In addition, an evaluation of residual contamination to the 15 mrem in a year criterion for unrestricted use specified in New Jersey Administrative Code (NJAC) 4:28 was accomplished, though this code is not applicable to the site while under DoD control. Structure met the criterion of the code.												
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Acronyms

AEA	Atomic Energy Act
AEC	Atomic Energy Commission
AF	Air Force
AFI	Air Force Instruction
AFIOH	Air Force Institute for Operational Health
ALARA	as low as reasonably achievable
ARAR	applicable or relevant and appropriate requirements
Bkgd	Background
BOMARC	Boeing Michigan Aeronautical Research Center
Bq	Becquerel
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CI	confidence interval
Ci	Curie
cpm	counts per minute
DCF	dose conversion factor
DCGL	dose conversion guideline level
DEP	Department of Environmental Protection
DOE	Department of Energy
dpm	disintegration per minute
DTRA	Defense Threat Reduction Agency
DU	depleted uranium
EIS	environmental impact statement
EMC	elevated measurement comparison
EOD	explosive ordnance disposal
EPA	Environmental Protection Agency
FIDLER	field instrument for detection of low energy radiations
FS	feasibility study
FSS	final status survey
HEU	highly enriched uranium
HpGe	hyperpure germanium
HQ AFSC	Headquarters, Air Force Safety Center

ICRP	International Commission on Radiological Protection
keV	kilo electron Volts
LLD	lower limit of detection
MARSSIM	Multi-Agency Radiation Survey and Site Investigation Manual
μCi	microcurie
MDA	minimum detectable activity
MDC	minimum detectable concentration
MEI	maximally-exposed individual
MeV	Mega electron Volts
M&I	maintenance and inspection
^{Total} U	total uranium
nCi	nanocurie
NCRP	National Council on Radiation Protection and Measurements
NESHAPS	National Emission Standard for Hazardous Air Pollutants
NIST	National Institute of Standards and Technology
NTS	Nevada Test Site
NPL	National Priority List
NRC	Nuclear Regulatory Commission
pCi	picocurie
rad	radiation absorbed dose
RAM	radioactive material
rem	roentgen equivalent man
RI	remedial investigation
ROD	record of decision
RW	radiological waste
SDR	Radiation Surveillance Division
SDWA	Safe Drinking Water Act
SI	site investigation
TEDE	total effective dose equivalent
UNLV	University of Nevada Las Vegas
WGP	weapons grade plutonium

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Boeing Michigan Aeronautical Research Center (BOMARC) Missile Shelters and Bunkers Scoping Survey Report

1.0 Introduction

The Radiation Surveillance Division of the Air Force Institute of Operational Health (AFIOH/SDR) and the Weapons Safety Division of Headquarters, Air Force Safety Center (HQ AFSC/SEW) jointly performed radiological scoping surveys of select structures on the Boeing Michigan Aeronautical Research Center (BOMARC), Fort Dix, New Jersey. AFIOH/SDR is now the Radiation Health Branch, USAF School of Aerospace Medicine (USAFSAM/OEHHH). Since the site was listed under the Air Force's Installation Restoration Program, it carries the RW-01 designation. The survey work coincided with the "Final Status Survey and Spot Remediation" work contracted to Cabrera Services, Air Force Center for Engineering and the Environment (AFCEE), Contract No. FA8903-04-D-8693, Task Order 0004 (Cabrera 2007) that was accomplished in 2007 and early 2008, and follow-on work in 13 launcher pits in 2009 under a Phase II addendum, as a subcontractor to CAPE, Inc, AFCEE Contract No. FA8903-04-D-8721 Task Order 0053. This allowed staff from both organizations to be on-site for contract oversight and review of findings from the field. In general, the survey findings were comparative to survey measurements of shelter interiors performed during the Remedial Investigation/Feasibility Study (RI/FS). Structures targeted by that study have already been remediated during restoration of primary contaminated soils areas from 2002 - 2004. Based on reasonable potential future uses of the shelters or disposition of shelter materials, residual contamination levels are well below criterion recommended in the scoping survey work plan (Rademacher et al. 2007) and a reasonable interpretation of survey requirements in Regulatory Guide 1.86 (AEC 1974). Although not currently subject to New Jersey Administrative Code 7:29-12.10(e), the shelters meet the 15 millirem (mrem) unrestricted use criterion. Ten shelters had detailed surveys that met class 1 survey recommendations of Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM), though only seven had residual contamination that appeared distinguishable from background. Outlying shelters and other structures had lesser survey effort due to their lower contamination potential based on the RI/FS and initial screening measurements. During this scoping survey some additional remedial and/or survey actions were recommended for below-grade pits within shelters in the vicinity of the former shelter 204 and a few sub-grade bunkers associated with shelters 208 and 210 under ALARA. Many of these actions were completed in 2009. Based on this survey and minor remedial actions, additional monitoring of other structures is not recommended. Radiological controls are not necessary or recommended.

2.0 Background Information

2.1 Site History.

On 7 June 1960, an explosion in a helium tank took place in shelter 204 causing a fire in a liquid-fueled, nuclear-tipped BOMARC missile. The fire burned uninhibitedly for about 30 minutes. Fire-fighting activities, using water as a suppressant, were conducted for 15 hours. As a result, materials from the shelter flowed under the front shelter doors, down the asphalt apron and street between the row of shelters, and into the drainage ditch leading outside the site boundary fence. While a wind

from the north to northeast was present during the initial stages of the fire, evidence from the RI/FS (Earth Tech 1992) and more current Cabrera final status surveys did not support any significant airborne transport. Though translocation of shelter contaminants was largely attributed to fire-fighting water (and later storm water run-offs), activities during accident response and routine activities post-accident (i.e., foot and vehicle traffic) were believed to be responsible for some cross-contamination of material (Earth Tech 1992). The site ceased operational use in 1972 and had a number of radiological investigations that were primarily accomplished to assess the integrity of asphalt and concrete engineering controls used to limit the movement of radiological contaminants.

The primary radiological contaminant released was weapons grade plutonium (WGP), with lesser amounts of highly-enriched and depleted uranium. Post-accident recovery operations accomplished by Explosives Ordnance Disposal (EOD) and the Atomic Energy Commission (AEC) removed weapon debris that contained a significant fraction of the radiological material contained in the weapon, and shipped the materials to Medina Base, San Antonio TX. Though the original design amounts of the weapon remain classified, an estimate of the material remaining on site after the initial removal was made by Department of Energy (DOE) and AF scientists, which placed an upper limit of WGP at 300 grams (Earth Tech 1992). Under the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), a Record of Decision (ROD) was filed by the AF for the site, where the AF decided to pursue excavation and off-site disposal of contaminated waste, provided a disposal site was available and the absence of other events that would dramatically decrease the cost-effectiveness of the option (Vest 1992). The foundation of the ROD was the environmental impact statement (EIS) and RI/FS that were filed with the Environmental Protection Agency (EPA) by the Deputy Assistant Secretary of the AF (Vest 1992). The risk-based criterion established in the RI/FS for unrestricted-release of soils was 8 picocuries/gram (pCi/g) ^{239}Pu , as modeled with the Residual Radiation (RESRAD) computer-based risk modeling code developed by Argonne Laboratory (Earth Tech 1992). These concentrations provide an annual dose of 4 millirem (mrem) to a maximally-exposed individual (MEI) and correspond to a lifetime excess cancer risk of about 10^{-4} [70-year integrated exposure] (Earth Tech 1992). A risk-based remediation goal was not established for demolished structure materials; however, criteria in Regulatory Guide 1.86 (AEC 1974) were considered relevant and appropriate for an unrestricted release in the absence of a risk-based criterion (Earth Tech 1992). The ROD specified demolition of shelter 204, underground bunkers associated with shelter 204, other bunkers and shelter materials integral to remedial actions on soils, and the launcher if located during restorative actions (Vest 1992).

Remediation of the primary contaminated areas, based on MARSSIM terminology (NRC 1997) and results of the 1997 site characterization (OHM 1998), was conducted from March 2002 to June 2004 by Duratek Services, Inc, and Shaw Environmental and Infrastructure (E & I). A total waste volume of 21,998 cubic yards (yds³) comprised of contaminated debris and soils were packaged, shipped, and disposed at Envirocare of Utah (Duratek 2006). All but the floors and launchers of shelters 202 and 206 were removed as part of the demolition of shelter 204 due to the anticipation of interference with shoring requirements of the excavation.

Since the remediation of the primary areas, there have been four distinct activities accomplished on the site to assess the feasibility of completing the ROD-recommended action for areas outside those remediated in 2002 – 2004. Cabrera Services conducted a historical site assessment (Cabrera 2006b), USAFSAM/OEHHH conducted in-situ γ -spectroscopy scanning of potentially impacted

areas, National Security Technologies, LLC conducted similar surveys as USAFSAM, and Cabrera Services conducted a discrete particle removal operation in August/September 2006. Each one of these activities had some impact on HQ AMC/A7V, USAFSAM/OEHHH, and the 305 CES/CEV's confidence that the ROD-recommended action could be completed in a cost-effective manner. Specific details will be discussed, as appropriate, to the radiological scoping survey of structures.

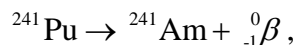
3.0 Contaminant Characteristics

3.1 Radionuclides of Concern (ROC).

The primary ROC is WGP, with highly-enriched uranium (HEU) and depleted uranium (DU) lesser ROCs in rank order. Table A-1 provides mass fractions for the WGP at the site, estimated for 1958 from Rademacher (2001). Of the α -radiation emitting isotopes, ^{239}Pu and ^{240}Pu dominate radiologically and have the same dose-conversion factors for internal dosimetry dose-modeling applications. Further, because the two radionuclides have similar α -particle energies (Table A-2), discrimination is not possible through α -spectroscopy. Analytical results for these isotopes will be combined and reported as $^{239+240}\text{Pu}$.

The HEU and DU are indiscriminant from another, as each has a varied activity fraction of ^{234}U , ^{235}U , and ^{238}U . Figure A-1 contains a plot of the ^{234}U to ^{238}U activity concentration ratio (Rademacher 1999c), based on data from the 1997 characterization (OHM 1998). From the plot, it is clear that the HEU dominates DU in the overall isotopic characteristic. Among the three uranium isotopes, ^{234}U comprises about 90 % of the total activity, including naturally-occurring background sources. However, in comparison to the WGP, uranium isotopes provide negligible risk, where the $^{238+239+240}\text{Pu}$ to $^{234+235+238}\text{U}$ activity ratio was estimated at 469 in the waste-profiling process (Horton and Rademacher 1998). This process used α -spectroscopy radionuclide data from the 1997 characterization (OHM 1998). Another important point gleaned from the 1997 characterization data is that the two elements are spatially co-located, as evidenced from Figure A-2. Therefore, remediation of the WGP will effectively also remove the uranium co-contaminant.

3.1.1 $^{239+240}\text{Pu}$ to ^{241}Am Activity Ratio. Direct assessment of $^{239+240}\text{Pu}$ in soils at low activity concentration is difficult because both isotopes only have infrequent, low-energy photon emissions. As well, laboratory analyses of soils using high-resolution γ -spectroscopy is hampered by the same issue, leaving chemical dissolution, separation, and alpha spectroscopy as the most common direct assessment method. For soils containing heterogeneously distributed contaminants, large uncertainties can be observed in reported concentrations due to limited aliquot size for this method (Bernhardt 1976). A practical indirect alternative involves assessment of ^{241}Am , the decay daughter of ^{241}Pu :



and calculation of the $^{239+240}\text{Pu}$ through an established relationship with ^{241}Am . HQ AFSC/SEW reviewed historical information on the $^{239+240}\text{Pu}$ to ^{241}Am ratio and provided technical recommendations for future assessments (Rademacher 1999b). The best estimate at that time was $5.4 \pm 16\%$ (90 % confidence interval), based on α -spectroscopy data from the 1997 characterization.

During the 2002 – 2004 remediation, another $^{239+240}\text{Pu}$ to ^{241}Am ratio data set was generated (Figure A-3). Though the sample set was significantly smaller than that from the 1997 characterization, the 90 % confidence interval of the estimate was over two-fold lower. The best point estimate from the two data sets is within 3 % agreement, which is within the typical combined bias of Pu and Am chemical tracers used for these analyses.

3.1.2 Discrete Particle Nature of Contaminant.

3.1.2.1 General. Plutonium dioxide (PuO_2) is the most stable of the oxides found in the environment and is formed under most conditions, especially when plutonium is ignited in air (Burley 1990), as was the case of the BOMARC WGP. PuO_2 has a high melting point (2240 °C), a high chemical stability, and is highly insoluble in water (Burley 1990). The behavior of plutonium in soils can vary depending on the local soil characteristics and the chemical form of plutonium at the time of introduction. Four sites have been extensively monitored in the U.S. up to 30 years after introduction of plutonium into the environment: the Nevada Test Site (NTS), Oak Ridge National Laboratory (ORNL) in Tennessee, Mound Laboratory in Ohio, and Rocky Flats in Colorado (Burley 1990). The source of plutonium is different for each site. At NTS, the plutonium is dispersed as an oxide as the result of safety research studies. At Oak Ridge, plutonium in a holdup pond was released when a dike broke. At Rocky Flats, cutting oil contaminated with metallic plutonium was released from leaking storage drums; while at the Mound Facility, a low-pH solution of plutonium leaked from a waste transfer line. For the soils studied at NTS and Rocky Flats, extraction of plutonium from soils was very low (10 – 15 %) as compared to 60 – 85 % extraction from the soils of the Mound Facility and ORNL (Burley 1990). Thus, if the plutonium was introduced into the environment as an oxide or metallic form, it exhibited low solubility; whereas if introduction was in the form of a soluble compound, much greater mobility was exhibited at a later time. Furthermore, auto radiographic comparisons of Rocky Flats and Mound Facility soils have indicated that the soils of the former exhibited discrete particles of plutonium, while the latter had a more homogeneous dispersion (Burley 1990).

3.1.2.2 AF Studies in Conjunction with Remediation. The AF completed two studies of heterogeneity with a primary focus on the effects on γ -spectroscopy analyses (Rademacher 1999a & 2001). In general, heterogeneity was observed to a degree that could influence overall uncertainties in laboratory analyses of samples. Conjugate measurement of individual samples in plane-symmetrical containers (e.g., right cylindrical containers, Petri dishes, etc.) was effective at reducing uncertainty in sample activity. In addition to the effects on γ -spectroscopy analyses, the second study provided numerous examples of heterogeneity at the sample and sub-sample level.

3.1.2.3 Recent Studies. Cabrera Services, in conjunction with the University of Nevada, Las Vegas, conducted studies on the contaminant as a follow-on to investigations conducted by USAFSAM in 2005 (Cabrera 2006c). The field activities comprised locating USAFSAM-targeted investigation areas with a field instrument for detection of low-energy radiation (FIDLER), in-situ γ -spectroscopy with a hyperpure germanium (HpGe) and Canberra ISOCS[®] software, with the principal activity being soil coring. Soil cores were evaluated for chemical and physical characteristics by UNLV. The general conclusion from this work was “discrete Pu particles are chemically and physically stable, and could remain in this form given normal environmental weathering conditions.” Further, it was found through scanning electron microscopy (SEM) that many of the particles had physically

large dimensions (100 – 500 μm), prohibiting respiratory tract intakes and air-suspension under typical site conditions. The samples were segmented for separate sub-sample level analysis, similar in some respects to the work accomplished in the AF study of heterogeneity. From this analysis, it was determined that the vast majority of activity was associated with discrete particles.

3.2 Radiological Surveys in Structures.

3.2.1 Historical.

3.2.1.1 Shelter 204. Shelter 204 was the most severely impacted of the site shelters as it contained the weapon that was engulfed in the fire. The fire burned uninhibitedly for about 30 minutes, with the shelter 204 area sprayed with water for another 15 hours. In addition to the effects of the fire on the interior of shelter 204, the floor and concrete were pitted by flying fragments of the helium and fuel tanks that exploded, and steel roof beams were deformed. A large fraction of shelter interior surfaces had measurable α -radiation contamination, though wall surfaces in the north to northwest part of the shelter were not impacted. This is reasonable, since wind during initial stages of the accident response were from this direction. Though significant volumes of water were sprayed on the shelter and decontamination operations were conducted on its interior the day after the accident, some floor areas had residual in-situ α -particle count rates in excess of two million counts per minute (cpm). [Note: It is assumed that the measurements were conducted with an Eberline PAC-1S that has a probe entrance window of 60 cm^2 .] The high residual contamination retention was attributed to a thin layer of tar that had melted during the fire and spread the shelter floor. Four days after the accident, impacted areas on the interior of the shelter and asphalt areas on the outside were painted to immobilize the contamination. Alpha radiation measurements conducted post paint application were mostly zero, with a few fringe areas having readings between 50 and 500 cpm.

3.2.1.2 Other Shelters. It is unknown if surface contamination levels were assessed in other shelters shortly after the accident. There is no record of any mitigation of contamination applied to the other shelters, such as paint or concrete overburden.

3.2.2 RI/FS.

3.2.2.1 General. The evaluation of shelters accomplished in the RI/FS was the most extensive that had been documented prior to this work. The power and communication bunkers in the front of shelter 204 were also evaluated, since the openings to these bunkers were closed shortly after the accident. It is believed that some knowledge existed of impact to the interiors of the bunkers from plutonium contaminated water from fire-fighting activities. Shelter 204 received the greatest degree of survey effort, since it was the shelter that was most severely impacted. But, it was recognized in the RI/FS that shelters 202, 205, and 209 were possibly contaminated as a result of the fire, fire-fighting, and subsequent decontamination of exterior locations. Also, shelter 210 was suspect, as it was used as a staging area for radiological sampling activities for many years, and was recently used by Duratek during the 2002 – 2004 remediation for sample handling and calibration of field instruments for the detection of low energy radiations (FIDLER) with contaminated soil from the site.

3.2.2.2 Shelters.

Wipe samples were collected from shelter 204 and 20 other shelters. Figure A-6 provides a modified version of Figure ES-4 from the RI/FS (Earth Tech 1992) that has color-coded summary of gross α -radiation wipe results. Many of the shelters in the vicinity of shelter 204 (201 – 210, and 212) were sampled because of the potential for contamination from fire-fighting water and efforts conducted shortly after the accident to mitigate contamination in and around the shelter. Six shelters (101–106) were wiped to investigate the potential of an airborne transport mechanism, while four outlying shelters (115, 127, 216, and 228) were investigated to assess impact that may have resulted from personnel-aided translocation of contamination. One-hundred wipes were collected from shelter 204, while 25 were collected from the others. Besides shelter 204, the wipe results in the other shelters were less remarkable. The highest wipe result in shelter 204 was 414.5 dpm/100 cm², while the highest in the other shelters was 233 dpm/100 cm² (shelter 209). Other positive results (> 20 dpm/100 cm² per Reg. Guide 1.86) were 39 dpm/100 cm² (shelter 205), 97.2 and 28.7 dpm/100 cm² (shelter 210), and 37.4 dpm/100 cm² (shelter 202). The locations of shelters in proximity to shelter 204 are shown in Figure A-7.

In addition to wipes, as practical, wipe locations were screened for total α -radiation levels with an Eberline PAC-4G gas-flow proportional α -counter. Table A-3 contains a listing of elevated PAC-4G survey readings. From the table, the highest measurements were observed in shelter 204, with the maximum at 47,780 dpm/100 cm². Other shelters with measurable contamination in excess of 100 dpm/100 cm² were 127, 202, 206, and 216. No correlation exists between the elevated swipe results (removable) and in-situ measured fixed (and removable) contamination. The footnote to Table 4-13 of the RI/FS was interesting in the vastly different lower limit of detection values for shelter 204 and the others, with the former being 2.25-fold lower, or nearly $\sqrt{5}$. A closer inspection of conversion factors in the calculation of surface contamination was performed. The RI/FS in description of data processing stated, “The results from background PAC-4G measurements collected between July 5 and August 17, 1990 identified average background activity levels at the site to be 13.2 ± 4.0 ‘clicks’ per minute, which corresponds to 66 ± 20 counts per minute . . .” [RI/FS, Section 4.1.3.4.1, page 4-38 (Earth Tech 1992)]. The factor of five correlating ‘clicks’ with counts is not understood, nor was it discussed in any other portion of the document. One may suspect that the meter had an “audible divider” on it, where only a fraction of the interactions have an associated audible click or that a scale multiplier was used. However, meters historically attached to this probe had a log-scale meter movement, negating a need for a scale multiplier, and reportedly did not have an audible divider (Frame 2007). In review of data in Table 4-16 of the RI/FS (page 4-65), raw PAC-4G count rates are listed for a few sampling locations that had isotopic plutonium analysis of wipe samples. Figure A-8 contains a scatter plot of the paired Table 4-13 and Table 4-16 data from the RI/FS. One data point, 202-WP-016-001, required correction in its Table 4-13 calculated total concentration, as it did not correspond with the net and background concentrations. Overall, the plot separates the data into two categories: a 24X or 4.8X factor correlating count rate and concentration, with a factor of five between the two. The 4.8X factor is clearly comprised of the quotient between the probe detector area, 59 cm², to 100 cm² correction factor (1.69), and the reported detection efficiency, 0.353. The 24X factor is for data points that additionally had the factor of five applied. The basis for this factor is not known, but believed to be a technical error, as the LLD of 192 dpm/100 cm² for α -radiation is abnormally high in an area that has a relatively low background. One data point fits neither line and is suspected to be a transcription error in one or

both of the tables. HQ AFSC and USAFSAM's assessment is that many of the reported results in Table 4-13 of the RI/FS are high by a factor of five. It is a moot issue for shelter 204, which was completely dismantled in 2002, and everything but the concrete floors of shelters 202 and 206, as the upper structural portions were dismantled in 2002.

3.2.2.3 Bunkers. During the RI/FS, wipe and in-situ measurements of surface α -particle emissions with an Eberline PAC-4G were collected at a number of upper locations in the power and communications bunkers. Sediment samples were collected in the communications bunker and rust samples were collected from the flange area of the each bunker's manhole covers. A summary of the results are in Table A-4. Good agreement existed between wipe and in-situ measurements. Rust samples from both shelters had quantifiable ^{241}Am , as screened on-site by a hyperpure germanium (HpGe) detection system. Both of these underground structures were demolished in 2002.

3.2.3 USAFSAM. During evaluation of Class II and III areas in 2005 and 2006, USAFSAM conducted α -radiation surveillance of personnel, survey instruments, sticky mats placed on road surfaces adjacent to soil, and some shelter interior surfaces (Hensley 2007). Among the measurements, no remarkable α -radiation readings were recorded, even at a floor area of Shelter 213 that had an FIDLER reading, indicative of possible surface contamination.

4.0 Shelter and Bunker Survey Strategy

4.1 General. The relative effort of scoping survey among individual structures was based on historical potential for impact as recommended by the "Multi-Agency Radiation Survey and Site Investigation Manual (MARSSIM)" (NRC 1997), with those structures more likely having potential for impacts receiving greater survey effort than those with lesser potential. Dependent on the findings of investigation in target structures, more detailed surveys were accomplished. Overall, this staged approach optimized survey efforts and minimized unnecessary work.

4.2 Contamination Transport Mechanism(s).

4.2.1 Water. Water transport was identified and confirmed by characterization surveys as the most important mechanism for transport of radiological contamination from shelter 204 to other locations on- and off-site. For shelters in the vicinity of the former shelter 204, it has been suggested in the RI/FS that these likely had some impact due the close proximity of fire-fighting activities. As well, the contamination impact to the shelter 204's associated power and communication bunkers was most likely from fire-fighting water intrusion. This potential was further supported by results of the 1997 characterization where contamination was detected to below grade depths of 16 feet, directly in front of shelter 204 (OHM 1998). However, contamination was not identified at these depths in any other contaminated areas investigated. It was logically concluded from this data that the contamination at these depths may have been transported through the concrete junctions in the shelter 204 communication and power bunkers, or along the exterior concrete/soil interface (i.e., a preferred transport pathway). Impact to other bunkers is unknown, but largely bounded by potential for water intrusions and contamination in the vicinity of the manhole covers. Bunkers associated with shelters 202, 204, and 206 had the greatest potential for impact from fire-fighting water, due to proximity to the fire, but have already been removed. Bunkers associated with shelters 208, 210, 212, and 214 have a much lower impact potential due to distance from shelter 204 and elevation

gradient. Other bunkers have even lower impact potential due to greater distances and a lack of significant local contaminated soils or asphalt.

4.2.2 Mechanical. Mechanical transport by equipment or personnel during the accident response and recovery, or from translocations by the same means after the accident was identified in the RI/FS [Section 4.1.3.5, Page 4-73 (Earth Tech 1992)] as a possible mechanism. Based on the amount of residual activity and amounts found in outlying areas during the Cabrera Services particle removal conducted in 2006 (Cabrera 2006a) and the recent (2007) Cabrera survey and removal operations this is a distant secondary mechanism to water transport. In 2006, HQ AFSC/SEWN estimated 0.1 % of the $^{239+240}\text{Pu}$ residual lay outside of contaminated areas that were attributed to the water transport mechanism. The recent Cabrera survey and removal operations did not alter this estimate. All shelters have some potential for residual contamination due to normal operations post accident. Though most impacted areas on the site had some mitigation method to fix contamination in place, e.g. paint, concrete and asphalt overburdens, some soil areas in the vicinity of shelter 204 and the drainage ditch had low levels of contamination in uncovered soils. Also, identified in 2005, an area on the southern portion of the site, near the dining facility and fire station, had possibly been used to washdown contaminated vehicles during the accident response. These unmitigated areas had the potential to support translocation of contamination to areas that were not previously impacted. However, the degree of impact to areas not directly contaminated during the accident or from response actions are expected to have significantly lower contamination concentrations and areal extent. As such, bunkers and shelters not subject to fire-fighting water have much lower probability and expected degree of impact.

4.2.3 Storage and Use. Some shelters were used to store equipment or wastes supporting environmental surveillance and environmental remediation. Among shelters without impact potential from fire-fighting activities, these have a greater potential for impact due to the materials stored and increased foot and equipment traffic.

4.3 Contamination Retention. Contaminant retention characteristics in soils and the surfaces of materials is an important consideration for scoping survey work planned for shelters and bunkers. According to records, the only structure that had paint applied to mitigate contamination was shelter 204. Surface coatings have not been observed in other shelters. Lubricating oils, transformer oils, hydraulic fluids, and solvents were used in many of the site facilities in addition to the shelters. Surface deposits of these fluids may have aided retention of contamination on concrete surfaces, but are expected to be limited to the shelters pit and extensions of the missile launcher structure. Hydraulic oils were removed from 70 of the 83 shelters that had 200-gallon reservoirs, with pits in 65 of these cleaned with a high-pressure washer and steam cleaner, and pits in the other shelters cleaned by hand (Cabrera 2006b). Hydraulic fluid was not removed from shelters 201 to 214 because of known and perceived concern for residual contamination. Hydraulic fluid was removed in 2009, with the aid of water/oil separation and particulate filtration. Pits in the shelters, other low elevation points on concrete surfaces, wall/floor interfaces and locations with surface oil penetrations are key locations for retention. Retention in shelter 204 surfaces was aided by a surface coating of tar and other processes that are related to the intense heat of the fire. These are not applicable to the other shelters or bunkers. Potential contamination in shelters and bunkers could retain the characteristic of heterogeneity that has been widely observed in impacted soils. As such, it is reasonable to assume that if a shelter has a significant degree of impact, some particle(s) would exist

in the contaminated area and would readily be detected by a FIDLER. Since water, personnel, and vehicle movements are the important tracking mechanisms, contamination deposition on floor surfaces, sumps, and missile launcher pits are most probable. Deposition of contamination on walls, roofs, and missile launchers is less likely and only suspect if significant contamination is identified on adjacent floors, pits, etc.

4.4 Priorities. Table A-5 contains a prioritized list of structures for scoping surveys that was contained in the work plan for this effort (Rademacher et al 2007). Structures highlighted in red had the greatest pre-survey priority, with lesser degree for orange, yellow, and green in descending order. Priority is based on likelihood of impact and the expected degree of impact. Naturally, among the shelters, 201, 203, and 205 are the highest priority because they had the greatest potential for contamination from fire-fighting activities considered as a primary source. Other shelters have a lesser probability and expected degree of impact because the contamination would require translocation from a primary contaminated area. Logically, translocations would involve some dilution of the contaminant and encompass isolated areas like that of a shoe or tire tracks. The priority aided in setting the degree of scoping individual structures initially received consistent with strategy established in MARSSIM (NRC 1997). As well, consistent with MARSSIM, some changes in priority were made due to initial and subsequent survey findings. For example, the RI/FS identified shelters 210 as having more than one wipe sample with removable contamination above 20 dpm/100 cm² and shelter 209 with one wipe above this criterion. But, as noted in Table A-5, remedial activities conducted in 2002 – 2004 may have some affect on residuals due to proximity as well as activities shortly after the accident. Pit areas were not targeted for survey as extensively as floor areas. From a risk standpoint, these areas present little potential for air suspension and ingestion of contamination because of the limited access. Only the pits in a few shelters were evaluated, based on shelter floor surveys. As well, since these areas had limited access after the accident, direct deposition of contamination from personnel would be significantly lower than that for floors. Translocation of contamination from other areas is the only likely deposition method.

4.5 Overall Sampling Strategy.

4.5.1 In-Situ Low-Energy γ -Radiation Scanning. In-situ γ -radiation scanning with a FIDLER was the initial survey method for shelter and other interiors, and served two primary purposes. First, it allowed rapid identification of any locations with high-activity discrete particles. As the contaminant is dominated by discrete particles, this was the most important survey technique in identifying highly contaminated areas. Further, since the contaminant has limited solubility and penetrability in concrete, insignificant attenuation of the 59.5 keV photons from ²⁴¹Am would be observed for surface assessments, even with a thin overlying layer of dirt or paint. Second, identification of areas with high-activity particles allowed isolation of these areas for more in-depth surveillance, particle isolation, spot particle removal, and application of greater personal protective measures. Additionally, because higher priority shelters had in-situ α -radiation screenings, surface dirt was removed to lessen the potential for α -particle masking. Areas identified by the FIDLER screen as being impacted received greater care in floor debris removal than other areas. Scanning measurements on grids were collected in ten shelters to evaluate residual contamination in support of the static α -measurements collected in ten shelters. FIDLER screens were performed on the bottom concrete surface of launcher pits that had α -radiation surveys.

4.5.2 In-Situ α -Radiation Scanning and Static Measurements. In-situ α -radiation static measurements were conducted in higher priority shelters, based on results of the FIDLER screens and proximity to shelter 204. While the work plan offered the potential to use both gas-flow proportional floor monitors and hand-held portable α -radiation scintillators, only the latter were used due to limited areas targeted for measurement and the difficulty anticipated in surveying less accessible floor areas. Static (fixed) measurements on grids were collected in fifteen shelters to evaluate residual contamination as MARSSIM-defined “direct measurement,” while scanning measurements were collected in five of the 15 structures to assess variability of contamination levels and the effectiveness of additional floor sweeping in removal of contamination. Because RESRAD-Build apportioned virtually all of the exposure to respiratory and ingestion intakes, gridded scan measurements would be acceptable, as well, in clearing a structure under MARSSIM. Bottom surfaces of the walls, launcher, wall ledges, and pit of shelter 210 was screened to assess contamination potential on most concrete surfaces. In addition, a number of other shelters in the proximity of the former shelter 204 had assessments of the concrete ledger and pits. Wipe and α -radiation surveys of pits were purposely delayed until 2009 when standing water and hydraulic fluids were removed.

4.5.3 Wipe Samples. Contamination in a loose (removable) form is essential to significant exposure of individuals from the shelters, since radiation from fixed contamination provides insignificant external radiation exposure. Wipe samples provide an important measure of removable contamination and were collected at static α -radiation measurement locations in 15 shelters discussed above, and other select locations. All samples were analyzed at USAFSAM/OEHHH for gross α - and β -radiation, which will encompass the emissions from $^{238+239+240}\text{Pu}$, $^{234+235+238}\text{U}$, and ^{241}Am (all α -emitting radionuclides residuals from the accident), and naturally-occurring radionuclides indigenous to the site. For the 10 structures that systematic wipe samples were collected, wipes were composited by structure, ashed, and analyzed by isotopic plutonium. This data was compared to the mean static α -radiation count rate for estimation of the removable fraction and background, and formed a basis for the mean removable $^{239+240}\text{Pu}$ concentration by shelter.

4.5.4 Dirt/Sediment Samples. Dirt collected from preparation of floors for survey were analyzed by high-resolution γ -spectroscopy for ^{241}Am content. These samples provide some information on potential for transference of contamination from contaminated soil areas to shelter interiors. Also, the process of sweeping will abrade the concrete surface and liberate some of the contamination fixed to the surface. Sediments were collected from the bunkers of shelter 208 and other select areas to assess ^{241}Am content.

4.5.5 Water Samples. Water samples were collected in the bunkers of shelter 208 to assess any dissolved or suspended α -radiation content. The manholes to bunkers associated with shelter 210 were under the Cabrera Services laboratory trailer and therefore not sampled. Sampling of a number of bunkers was accomplished by Cabrera in 2009 and documented elsewhere.

4.5.6 Abrasive Removal of Concrete Surfaces. For the static α -radiation measurements collected in the ten shelters chosen for detailed analysis, a light abrasive surface removal was accomplished between successive measurements to test the potential for α -radiation masking effects. In the shelter with the highest average residual contamination levels, four composited test areas were evaluated by heavy abrasive removal to evaluate the total amount of residual contamination in the concrete

surface, and estimate the fraction of residual contamination detectable by surface α -radiation measurement. Five other shelters had static α -radiation measurements completed in 2009. Because adequate conclusions were drawn from the 2007 effort, light abrasive surface removals were not accomplished for these latter measurements.

5.0 Shelter Disposition Considerations and Residual Contamination Criteria

5.1 General.

Acceptable residual contamination criterion for the shelters and bunkers are predominantly based on future intended uses. The RI/FS and ROD were developed under CERCLA. The RI/FS predominantly focused on the extent of contamination in soils, current risks to the public, and risks to a future site inhabitant under the resident-farmer scenario. This unrestricted use scenario is generally considered a “worst-case” use because it encompasses the most significant potential exposure routes. While remediation of soils to this use scenario was selected, a future use has not been determined, and may not be for some time. The shelters provide little to no practical use for future military missions, and are not acceptable for unrestricted access to members of the public because of structural, falling, and other hazards that exist on the site. As such, an unrestricted future use would most likely incorporate structure demolition, with concrete and steel being recycled for reuse or disposed. Over the past 35 years after the site was closed, a few shelters have been used to store investigation-derived and remediation waste, and equipment. Similar uses are plausible in the future under DoD institutional control.

In general, CERCLA is not applicable to structures. Draft Defense Environmental Restoration Program (DERP) Manual (DoD 2008) states, “The demolition and removal of unsafe buildings and structures are not subject to CERCLA unless they involve:

- a) the need for or
- b) are an integral part of

a response action to address a:

- c) CERCLA hazardous substance or
- d) a CERCLA pollutant and contaminant

that poses an imminent threat to:

- e) public health,
- f) welfare, or
- g) the environment.”

Three impacted structures (202, 204, and 206) and underground bunkers were remediated during the 2002 – 2004 effort, in part due to radiological surface contaminants under the CERCLA action. But for shelters 202 and 204, some demolition was based on shoring requirements associated with the excavation of soils under the concrete pad; therefore, integral to the CERCLA action conducted on soils and shelter 204. Other structures on the site were not intended for remedial action based on the

RI/FS (Earth Tech 1992). Based on realistic future uses of structures and risk-based criterion established in the workplan (Rademacher et al. 2007), none of the standing structures meet the imminent threat to public health, welfare, or the environment due to the low-levels of radiological contaminants under CERCLA. DERP allows demolition of unsafe buildings and structures outside the scope of CERCLA (DoD 2008) and the ROD.

The RI/FS did not establish a risk-based remediation goal for structures; however, criteria in Regulatory Guide 1.86 were considered relevant and appropriate for an unrestricted release of demolition debris and recommended in the absence of a risk-based criterion (Earth Tech 1992). Sophisticated computer risk modeling codes, like RESRAD for exterior soils, had not been developed at the time of the RI/FS for building interiors. In the mid-1990s, a RESRAD model for building interiors, RESRAD-Build, was developed. Version 3.3 (Yu et al. 2003) is the latest. RESRAD-Build is used here to model doses to site workers that may occupy a shelter for various uses described above. In one case examined here, about 10 % occupancy for a 2,000 hour work year is assumed, with a 100 mrem annual exposure limit. The parameters for this case were scaled to other occupancies and exposure limits. If the shelters are demolished, the concrete walls and floors could be recycled for other uses like rip-rap and gravel road base, or disposed in a landfill. Under any of these scenarios, contaminated concrete can be treated with similarity to soil in some respects, because the contaminated surface would be subject to surface degradation and effectively become a part of a soil matrix over time. In a soil matrix, the liberated contamination would be available for various human intake paths as modeled for soils with RESRAD, like applied to soils under the ROD. If the material is not retained in surface soils (i.e., used as gravel road base fill, or disposed in a landfill), most RESRAD-modeled intake pathways would not be applicable, as the lightly contaminated concrete surface would not be available for airborne release to receptors, or available for uptake by plant roots or incidental ingestion. In these cases, projected doses to future site residents would be substantially lower than for a reuse scenario that would retain the material in surface soils. Since the contaminant is highly insoluble, deep penetration in concrete surfaces is not possible, and steel re-bar logically is not contaminated. Information from abrasive removal study of contaminated surfaces in this survey concluded that the contamination is in the top 30 μm of concrete surfaces.

5.2 Regulatory Guide 1.86. Limits specified in Reg. Guide 1.86 are listed in Table B-1, with the row applicable to WGP and ^{241}Am highlighted in gray. Of the shelters evaluated in the RI/FS and still remaining, only three had removable contamination in excess of Reg. Guide 1.86 criteria, with two shelters in excess for in-situ measured locations. Reg. Guide 1.86 does not incorporate provisions for averaging concentration over an entire structure, like that structured in MARSSIM surveys and risk modeling codes like RESRAD-Build. Thus, if one area has been impacted with concentrations above the criterion, an acceptable release would require mitigation of that location. However, many infer that the average removable and fixed concentrations limits in Reg. Guide 1.86 are applicable to the average of measurements throughout a structure, and these values are like derived concentration guideline levels (DCGL_w) defined in MARSSIM. In the case of RESRAD modeling, however, provision is made for small areas of contamination in excess of the average concentration criterion. In MARSSIM terms, these are referred to as elevated measurement comparison (EMC) areas. Reg. Guide 1.86 is not adaptable to reasonable future structure exposure scenarios, but rather was based on an unrestricted release of materials. The limits and methodology of Reg. Guide 1.86 were based primarily on capabilities of measurement equipment and technology

of the era. The Reg. Guide did recognize the relative differences in radiotoxicity of various radionuclide groups, which is reflected in three broad groups of criteria. But, some of the relative differences do not reflect relative risks that would be modeled by RESRAD-Build. The NRC has allowed use of Reg. Guide 1.86 for some sites in lieu of more recent guidance in NUREG-1757, “Consolidated NMSS Decommissioning Guidance (NRC 2003),” but conceded, “these release criteria are much more restrictive than the radionuclide-specific dose-based release criteria described in NUREG-1757” (Federal Register 2008). Further, Reg. Guide 1.86 does not have any flexibility in handling elevated areas of contamination with respect to risk.

5.3 RESRAD-Build Modeling.

The summary results of the RESRAD modeling are provided in Table B-2 for $^{239+240}\text{Pu}$, and ^{241}Am , and the total. The modeling was conducted for various acceptable exposure levels. The most appropriate acceptable exposure level for a worker on-site is 100 mrem in a year, which is equivalent to the NRC acceptable exposure limit for members of the public from licensed operations. This limit is broadly applicable to all ionizing radiation exposures in the AF - machine-generated or radioactive material (RAM), based on AF Instruction 48-148. In application of this limit to exposure of workers at the BOMARC site, it is important to understand that the exposure is under conditions of institutional control, where workers exposed below the criterion would be categorized as non-radiation workers and those with potential for exposures above as occupationally-exposed “radiation” workers.

The other cases evaluated are for a 4 mrem annual exposure, with the first limited to 4 mrem dose equivalent in the first year, and the second limited to a 30-year average of 4 mrem/yr. The distinction between the two is important for WGP as a surface contaminant. The only appreciable exposure routes are inhalation and ingestion (Table B-2), which assumes a fraction of the contaminant in loose (removable) form. Air suspension of the contaminant in an open system, like a shelter, allows for a slow depletion of the source. With RESRAD-Build default parameters applied to this case, the modeled 30-year dose-equivalent is 2 % of that of the first year. Under a lifetime integrated risk approach of CERCLA, average risk is more important than a very low increment of annual risk. Overall, the difference between them is a factor of two (2). The 4 mrem annual exposure is equivalent to the modeled risk for 8 pCi/g $^{239+240}\text{Pu}$ contaminated surface soil.

Table B-3 contains the parameters used for the RESRAD-Build modeling. Many of them are default parameters used in the code; some are specific to the structure like floor area and height, and others are more specific to the expected future uses. For example, 192 h/y indoor fraction is deemed to be overly conservative for any conceivable future use of the shelters. Air exchange for the structure (0.1/h) is on the minimum end for residential structures, with actual air exchanges much higher because the structures were not designed to tightly control air flow. The fraction released to the air, the air suspendable fraction, was assumed to be 0.1. This is overly conservative compared to the RESRAD-Build cited value for oxidized plutonium of 0.001 (Yu et al. 2003). Another conservative assumption made in the model was the chemical form, FGR 11 Class W for inhalation and Class D for ingestion. This choice retains consistency with the RI/FS (Earth Tech 1992), but as previously mentioned, PuO_2 was the predominant form produced and still residual today, due to the high temperature and highly oxidizing conditions existing during the accident.

In the modeling, it was assumed that the $^{239+240}\text{Pu}$ to ^{241}Am ratio was 5.4. The State of New Jersey, Bureau of Environmental Radiation, questioned the use of this value in lieu of the 5.57 value used in the Class 1 Final Status Survey reports and the recent Cabrera work. In these efforts, $^{239+240}\text{Pu}$ was determined based on the ^{241}Am measured in soil and the ratio. For most assessments of residual contamination on concrete surfaces, $^{239+240}\text{Pu}$ is assessed from a non-specific gross α -radiation method of portable survey instruments and laboratory wipe counters. In these cases, the gross count rate is attributed to background and contaminant ($^{239+240}\text{Pu}$ and ^{241}Am). Since the dose conversion factor is higher by 2.8 % (inhalation) and 3.6 % (ingestion) for ^{241}Am as compared to $^{239+240}\text{Pu}$, apportioning a greater fraction of α -radiation emissions to ^{241}Am is a conservative assumption. Any inferences of $^{239+240}\text{Pu}$ from a direct ^{241}Am measurements in this work will use the 5.57 ratio.

In the modeling, the default removable fraction of 10 % was used for calculation. This study estimated the removable fraction at 2.4 %. Compliance with RESRAD-Build generated released criteria was evaluated for both values. For a removable fraction of 2.4 %, the apportioned exposure routes would be 97.1 % (inhalation), 2.1 % (ingestion), and 0.28 % (external), only slightly different than the apportionment for 10 % removable fraction (Table B-2).

Table B-4 contains area factors for various elevated measurement comparison area (EMC) sizes and associated total α -radiation surface concentrations. Since the modeling code assumes complete mixing of the contaminant for internal exposure routes, regardless of the source area, acceptable surface concentrations are inversely proportional to the area. This is generally the case for surface contaminants that provide the vast majority of dose through internal rather than external exposure routes. Since the external exposure route is an insignificant contributor to total effective dose equivalent for either removable fraction considered, this same condition will exist for a 2.4 % removable fraction. In essence, for the $^{239+240}\text{Pu}$ and ^{241}Am surface contaminant in a structure, DCGL_{EMC} values and areas with elevated contamination have little meaning. The only important index for clearance of a structure is compliance with the DCGL_w ; the contaminant can be uniformly dispersed on the floor surface or concentrated into one or more small areas. Further, while many of the shelters with detailed analyses had 45 measurements conducted per measurement type, a single uniform scanning measurement encompassing the floor would be adequate for compliance, provided the measurement period is sufficiently long to meet statistical confidence.

Figures B-2 and B-3 contain example grid system used for shelter scoping surveys. The grid was designed around existing facility features, with individual grid areas about two square meters and over 60 in number. For equipment room measurements, a number of cells were not surveyed because equipment, original to the missile installations, occupied the floor space, and had a low likelihood for surface deposition. For pit surveys, grid rectangles for pit walls were included.

5.4 Bulk Contamination. Figure B-1 contains a plot of $^{239+240}\text{Pu}$ surface concentrations vs. the averaging thickness of concrete. Under this approach, it is assumed that with the release of surface contamination from degradation of concrete surfaces in reuse or landfill scenarios. For residual surface contamination levels below $100 \text{ dpm}/100 \text{ cm}^2$, the DCGL_w of 8 pCi/g $^{239+240}\text{Pu}$ is easily met by averaging the contamination over small fractions of a millimeter of the concrete surface. Contamination averaged over smaller surface thicknesses would also meet the DCGL_w if the concrete is mixed with clean soil or a fraction of the concrete surfaces are uncontaminated. In concrete demolition scenarios, this is much more likely than not.

5.5 ALARA. The “as low as reasonably achievable” (ALARA) principle has been applied to the remediation of soils on the site, and for consistency, was applied to contamination identified in the shelters. Application of the principle accounted for the contaminated area, the amount of effort required for removal (i.e., light abrasives, rotary hammers), and degree of contamination. In this scoping effort, minor contamination was removed when floors were swept in preparation for α -radiation and wipe surveys, and for a number of areas of high, fixed contamination.

5.6 State of New Jersey Department of Environmental Protection. The State of New Jersey, Radiation Protection and Release Prevention Programs, Bureau of Environmental Radiation, reviewed a draft copy of this report and disagreed with the approach recommended by the AF in the workplan, stating, “The clean-up criteria for structures are the contamination limits presented in the Nuclear Regulatory Commission’s Regulatory Guide 1.86” (Goodman 2008). Though the workplan (Rademacher et al. 2007) detailed an approach that would allow evaluation of structures to meet Reg. Guide 1.86 criteria and those generated by RESRAD-Build modeling, the State’s comments on this document did not broach this issue, but rather other technical issues. The State further stated, “If the Air Force would like to proceed with restricted use release criteria (the 100 mrem/y scenario discussed in section 5.4 of the scoping report), then the ROD would need to be revised, with public comment, and a deed notice would be required to restrict future use [of structures] to non-residential ones. Note that the department’s dose criterion for restricted release is 15 mrem per year. The all controls fail dose criterion is 100 mrem/y, which assumes a suburban resident scenario.” Under DoD institutional control, the State’s limit is not applicable. Under an unrestricted control scenario, structures would likely be demolished, rendering the State’s criterion a non-issue since the $^{239+240}\text{Pu}$ residuals in soils demonstrated compliance to a 4 mrem in a year dose equivalent to a future resident-farmer. Reuse of missile shelters as residential structures are deemed implausible.

5.7 Summary. Reg. Guide 1.86 was proposed in the RI/FS as a relevant and appropriate criterion for residual contamination in shelters and bunkers demolition debris in lieu of health based standards, which did not exist at the time. Two primary long-term shelter dispositions were considered: minor occupancy of workers under AF institutional control and reuse of concrete materials with minor contamination. For the latter, it is logically assumed that concrete slabs and walls would be demolished. Health-based criteria were used to evaluate both scenarios. RESRAD-Build was used to model exposures for the shelter occupancy scenario. Concrete reuse was evaluated by averaging the contaminated surface of concrete over various surface thicknesses, with comparison to the ROD criterion established for soils. Other scenarios are unlikely and were not considered here.

6.0 Materials and Methods

6.1 Instruments. Table B-5 contains a listing of instruments used for the survey work, specifications, and calibration dates. All instruments were calibrated with National Institute for Standards and Technology (NIST) traceable sources. Appendix J contains instrument calibration certificates. Instrument response to check sources were performed on the days of use.

6.2 Measurements

6.2.1 FIDLER Measurements. FIDLER scanning measurements were collected with the instrument entrance window between one and two inches from the surface being evaluated (predominantly

concrete floors). Static measurement of areas identified with elevated instrument response were generally collected on contact or with the dedicated stand that provided an entrance window to evaluated surface separation distance of about three inches, as shown in Figure 6-1. FIDLER scans of gridded sections of the ten targeted shelters were integrated over one-minute. For areas exhibiting an elevation in count rate, either that area was selected for re-assessment after the integrated count period, or the entire grid was re-assessed with another evaluation. This ensured that any elevated area did not bias the integrated measurement for a grid.

6.2.2. Gridded α -Radiation Static Measurements and Wipes. For the 15 shelters with detailed assessment, a location in the middle of each grid was selected for static α -radiation measurements and a wipe sample. With the exception of a few one-minute integrated counts (the first shelter evaluated), most were integrated over 30-seconds. Each area was evaluated as follows: 1) initial static α -radiation measurement, 2) light abrasive treatment to area with 60-grit sand paper (resin-based to limit residue), 3) follow-on static α -radiation measurement, and 4) wipe sampling of a 300 cm² area with Whatman #1 paper. Wiped areas covered approximately double the area covered by the detector. The five shelters evaluated in 2009 did not have a light abrasive treatment or a second static measurement since the effect of possible masking was effectively evaluated with the 2007 survey data.

6.2.3. Gridded α -Radiation Scanning Measurements. Five of the 15 shelters with detailed assessment had scanning α -radiation measurements in each grid location previously evaluated by static measurements and wipe sampling. For this set of measurements, one-minute integrated counts were collected. As was the case for the integrated FIDLER measurements for each grid, if an area exhibited an elevated count rate, either that area was selected for re-assessment after the integrated count period, or the entire grid was re-assessed with another evaluation. A limited number of grids were subjected to this additional evaluation. Since the scanning measurements were collected many days or weeks after the initial grid measurements, accumulated floor debris was removed by a second sweeping. In some cases, the debris collected was sent for ²⁴¹Am analysis. For all, the debris mass removed in a second sweeping action was much lower than that of the initial. Based on analysis, it was apparent that the concrete surface was abraded by the sweeping operation, liberating some surface contamination and leaving lower residual concentrations in the surface.

6.2.4 Elevated Area Assessments and Removals. Areas identified during the initial FIDLER screening measurements, gridded FIDLER scans, or α -radiation scans were evaluated by one or a combination of measurement techniques. Some locations (predominantly low 200-series shelters) a FIDLER may have been the only instrument used, as the response was attributed to a readily identified and removable discrete particle. In a few similar cases where removals were not easily accomplished (i.e., contamination appeared fixed), α -radiation measurements were also taken. For suspect areas in 100-series shelters, locations near helium tanks or in the recessed floor location in cell 30, FIDLER use was not possible, because of its size. In these cases, evaluations were made with an α -radiation instrument and the Ludlum Model 44-3 probe that was very compact compared to a FIDLER (see Figure 6-2). For a few locations biased wipe samples and floor debris were collected for ²⁴¹Am analysis. For fixed particle removals, the Ludlum 44-3 probe was used to more precisely identify particle location. Some fixed contamination was removed by light hand abrasions with coarse resin-coated sand paper. Other locations required a light industrial electric rotary hammer, as shown in Figure 6-3. For removals of this type, plastic was placed over the area of

removal to limit the spread of contaminated material. For some removals, the affected area was pre-wetted. In these cases, post-removal confirmatory measurements of residual α -radiation required delayed counting, ensuring the area was dry.

6.2.5 Abrasive Removal Assessment. Four areas in shelter 210 were selected for a heavy abrasive removal using resin-coated 24-grit sandpaper. Each area had a dimension of 6 x 12 inches (in), for a total area among the four of 288 in² (1860 cm²), and was hand-sanded for 15 minutes with the intent of uniform removal. Removed material was carefully collected with a small bristle brush into a flat bottom metal trowel and placed in a plastic bag. The removed material from each area was composited into one sample and analyzed by γ -spectroscopy for ²⁴¹Am. For each location, pre- and post-removal α -radiation and FIDLER measurements were made in the center of the area.

6.2.6 Water and Sediment Samples in Bunkers. Water and sediment samples were collected from the bunkers with a plastic cup/extension tube sampler. Since the bunkers did not contain significant sediment, the bunker bottom surfaces were repetitively scraped to acquire a sufficient amount of sample for analysis. It was apparent that the sediment in the bunkers was primary from intrusion of gravel from the road-bed surrounding the loose, metal entry flange. Gravel collected was segregated and returned to bunkers. One-liter water samples were collected in collapsible polyethylene containers and analyzed for gross α -radiation.

6.3 Analytical Methods. All samples collected for laboratory analyses were sent to USAFSAM/OEHHH. Four methods were used to analyze samples as listed in Table 6-2. One change in analysis was made from that proposed in the work plan. Water samples collected from the bunkers were analyzed for gross α/β -radiation in lieu of isotopic plutonium. Since the gross α -radiation results were below 5 pCi/L, isotopic analysis was not performed. For the vast majority of samples, the estimated (priori) minimum detectable activity or concentration goals were met. Exceptions are listed in Table 6-2. From the table, one sediment sample had a result below the decision level (DL) [posterior]. This was due to low sample mass for one of the bunker samples. This had no impact on conclusions drawn, however, since the decision level was well below the 8 pCi/g ²³⁹⁺²⁴⁰Pu criterion established for soils and other comparisons related to this site. One composited set of wipes had a result reported below the decision level of 230 fCi. This has no impact on data quality, as the reported results for composited wipe samples are significantly below acceptable residual contamination levels recommended for shelter interior surfaces. The calculated DL (L_c), 28 dpm/100 cm², for fixed contamination measurements is well below any of the criterion discussed for the site, including Reg. Guide 1.86.

6.4 Quality Assurance/Quality Control. Ten percent of the static grid measurements on floors for the 10 shelters in proximity to the former location of shelter 204 had duplicate measurement. The work plan noted collection of 10 % duplicates on wipe samples as well. These were omitted for a number of reasons. First, most fixed α -radiation measurements were low, with a subsequent low expectation for a removable activity above the decision level for the method. In this case, almost all comparisons to duplicate samples would be made on samples with limited confidence in the reported result. Second, the composited wipes analyzed for isotopic plutonium were expected to provide a much higher degree of confidence than gross α/β -radiation assessment of individual wipes. There was no reasonable way to incorporate 10 % duplicates, unless an entire shelter had duplicate wipes.



Figure 6-1. FIDLER Measurement Configuration with Dedicated Stand.



Figure 6-2. Ludlum Model 44-3 Probe (with Ludlum Model 2221 Meter) Used to Measure Area with Limited Accessibility.

Last, there was concern duplicates would have been composited with the other samples and create bias in the isotopic plutonium analysis.

6.5 Chain of Custody. Chain of custody forms were used for sample transfers to USAFSAM/OEHHH.



Figure 6-3. Example of Fixed Contamination Removal by Rotary Hammer (Shelter 210).



Figure 6-4. Example Area Subject to Abrasive Removal Testing.

TABLE 6-1. Analytical Methods.

Sample Type	Method	Approximate Priori Minimum Detectable Activity/Concentration	Notes
Wipes	Gross- α/β Radiation	2 pCi (4.4 dpm)	Priori expectation met.
	Isotopic Plutonium	70 fCi (0.16 dpm)	1-sample reported below decision level of analysis - 230 fCi
Dirt, Debris, or Sediment	High-Resolution γ -Spectroscopy	²⁴¹ Am: 0.13 pCi/g ²³⁹⁺²⁴⁰ Pu: 0.72 pCi/g (²⁴¹ Am Surrogate)	4-samples with results below decision level [²⁴¹ Am: 0.06, 0.09, 0.09, 0.25 (80.5 g sample)]
Water	Gross- α/β Radiation	Not Provided*	- -
Fixed Contamination	In-Situ α -Radiation Scintillation	Not Provided	ANSI N13.3 L _c : 28 dpm/100 cm ² (30-second measurement)**

* Gross- α/β -radiation screen chosen as initial analysis method in lieu of isotopic plutonium.

** Based on Figure 7-8 regression and inferred fixed measurement background of 13.4 dpm/100 cm².

7.0 Results

7.1 General. This survey found radiological impacts to the shelter interiors within expectation of radiological data from the RI/FS. Shelters with the greatest radiological impact were removed as part of the 2002 – 2004 remediation. In general, the most significant residual ²³⁹⁺²⁴⁰Pu contamination existed in shelters in close proximity to the former location of shelter 204. The greatest residual radioactivity in these shelters was removed when the floors were swept in preparation for detailed grid-based measurements. Some contamination was removed by discrete removal actions at specific locations that were identified by FIDLER scans or α -radiation measurements. A number of the shelters were swept a second time in preparation for α -radiation scans. The debris collected was significantly lower in mass than the initial sweeping of shelters, but upon analysis did contain low-levels of contamination that was indirectly disposed, subsequent to analysis at USAFSAM/OEHHH.

7.2 Initial FIDLER Screening Measurements.

7.2.1 General. FIDLER screening measurements were performed in a significant number of shelters and buildings, as listed in Table 7-1. All of the former missile shelters were screened with exception of a few equipment rooms and missile launcher bays, as noted in Table 7-1. Shelter 216 was used for equipment storage and not surveyed, while shelter 116 contained two empty B-25 boxes that allowed for only partial survey. Shelter 213 contained equipment and a few partially full drums that precluded a full floor surface scan. Shelter 116 and other shelters used for temporary waste storage were surveyed by Cabrera Services in 2007. A few of the shelters had the access doors to the equipment rooms welded shut or were stuck (100- and 200-series shelters only). In the case of stuck doors to equipment rooms to shelters in close proximity to shelter 204 (i.e., 201, 203, 205, 207 – 214), a screening survey was accomplished at a later date when a more aggressive entry method was applied (i.e., sledge hammer and chisel). Survey of equipment rooms to shelters 123, 127, 128, 225, and 227 were not accomplished, based on the limited remarkable findings from the FIDLER screening surveys in outlying shelters. Five other facilities had FIDLER screens: building

TABLE 7-1. Shelters & Buildings with FIDLER Screens.

Building Number	Note	Building Number	Note	Building Number	Note	Building Number	Note	Building Number	Note
101	--	115	--	201	9	215	--	301	--
102	--	116	2,6	202	3, 5	216	5	302	--
103	--	117	--	203	9	217	--	303	--
104	--	118	--	204	4	218	--	304	--
105	--	119	--	205	9	219	--	305	--
106	--	120	--	206	3	220	--	306	--
107	--	121	--	207	--	221	--	307	--
108	--	122	--	208	9	222	--	308	--
109	--	123	1	209	9	223	--	309	--
110	--	124	--	210	9	224	--	310	--
111	--	125	--	211	--	225	1	311	--
112	--	126	--	212	--	226	--	312	--
113	--	127	1	213	6	227	1	313	--
114	--	128	1	214	--	228	--	314	--
315	--	319	--	323	--	327	--	27	--
316	--	320	--	324	--	328	--	28	--
317	--	321	--	325	--	21	8	159	7
318	--	322	--	326	--	23	--		

1. Equipment Room Inaccessible (Door Welded Shut or Stuck). 2. B-25 Box Stored. 3. Concrete Pad-Only.

4. Removed in 2002. 5. Not Surveyed. 6. Waste Storage (Partial Survey Only). 7. Restroom-Only (South Facing).

8. Only Large Room with Theater-Style Chairs (South-Facing Double Doors). 9. Including Launcher Pit.

21 (general missile assembly and maintenance), building 23 (decontamination), building 27 (security control and identification), building 28 (transportation), and 159 (gas dynamics and compressor building). For building 21, only the large room on the south-facing side of the building was screened. This is a large room that was likely used for large group meetings. This building was not initially on the priority list for surveillance (see Table A-5), but a small vegetated area adjacent to the building entry doors and concrete driveway had contamination identified and removed by Cabrera during the "Final Status Survey and Spot Remediation" work. Building 159 was misidentified in the work plan as building 158. Only the restroom of this building (south-facing end) was surveyed, as some contamination in soil was identified and removed by Cabrera in the vicinity of the restroom entrance door. It is speculated that this restroom was used during the accident response by firefighters and other personnel. Like these two buildings, buildings 27 and 28 were surveyed because contamination was known to exist in a soil area between the two structures, in another vegetated area adjacent to building 28, and in the surface of the asphalt parking area on the southern end of building 28. Building 23 (decontamination) was surveyed; however, Cabrera did not identify any contamination in the close vicinity of this building. The launcher pits of shelters that had α -radiation surveys and wipes were screened by a FIDLER that was on loan from the 87 AMDS/SGPB, McGuire AFB.

7.2.2 Findings.

7.2.2.1 Summary. Table 7-2 contains a summary of remarkable finding from the FIDLER screens. From the table, the findings ranged from a slight increase ($\sim 1.5\times$ background) in FIDLER response to about 29,000 counts per minute (cpm), with the background typically about 1,000 to 1,500 cpm for a floor measurement, dependent on the structure, specific FIDLER system, and day. An in-situ field calibration of one of the FIDLERs was conducted on 28 June 2007, with Cabrera's National Institute for Standards and Technology (NIST) traceable ^{241}Am source (Table 7-3). Based on this information, the discrete particle with the greatest estimated $^{239+240}\text{Pu}$ activity was about 1.2 microCuries (μCi), with 70 nanoCuries (nCi) on the low end (shelter 210, cell 16). These estimates could be up to 2.7-fold high, if made on contact rather than at the standard scanning separation distance of two inches (see Table 7-3). On-contact measurements were common at elevated measurement areas. As detailed in Table 7-2, each location had later actions, with a greater amount of detail in field summary forms in Appendix C. Complete scanned copies of field forms are in Appendix K. For a number of the locations, it appeared that the vast majority of the FIDLER response above background was attributable to a single particle, as the FIDLER had background response when a small amount of floor debris was removed by a flat-bottom metal trowel (and bagged). Among the shelters and buildings screened with FIDLERs, remarkable findings were primarily limited to areas in shelters in close proximity to the former location of shelter 204, with the exception of shelters 121, 123, 124, and 126.

7.2.2.2 Shelters 121, 123, and 124. The survey of shelters 121 and 123 indicated suspect areas under the remaining helium tanks, while shelter 124 had a suspect area on the opposite side of the shelter. Each one of these areas was further investigated for discrete elevated γ -radiation emissions with a Ludlum Model 44-3 probe, surface α -radiation emissions, a wipe sample, and debris removal/ γ -spectroscopy analysis. Three locations did not exhibit any indication of discrete contamination. The wipes had removable α - and β -radiation below 2 picocuries (pCi), based on wiped areas of 300 cm^2 , all of the debris samples were below 8 pCi/g $^{239+240}\text{Pu}$, and in-situ α -radiation measurements were unremarkable. It was concluded for these areas that the excess FIDLER response above background was likely due to geometry effects, low-level diffuse contamination, and/or variability in background radioactivity in concrete.

7.2.2.3 Shelter 126. The recessed area in cell 30 was investigated with a Ludlum Model 44-3 probe because of its small size and ability to survey areas around pipes. Though the initial FIDLER scan conducted on 4 June had a reported FIDLER response of about 6,000 cpm, no evidence of contamination was found in the more detailed 28 September survey.

7.2.2.4 Shelter 201. Three areas with apparent discrete particles were readily removed on 30 July, with closer examination and sampling of the debris mound on border of cells 3 & 4. No evidence of a discrete particle was found by closer FIDLER evaluations and α -radiation measurements were unremarkable. It is believed that the increased response was likely related to either low-level diffuse contamination or increased response from the mound of debris (i.e., a thick layer of debris has higher natural background radioactivity than bare concrete). A composite soil sample was collected and analyzed by γ -spectroscopy. The ^{241}Am concentration for this sample was $0.67 \pm 0.08\text{ pCi/g}$ (95 % confidence interval), with estimated $^{239+240}\text{Pu}$ at 3.73 pCi/g. The number for this sample was GS071367 and is included in Appendix D with analytical results for other debris samples.

TABLE 7-2. FIDLER Screening Remarkable Findings.

Shelter Number	Location (Cell/Other)	Finding	Later Actions (Disposition)
121	Cells 29/31	FIDLER slightly elevated, under center of He tank	Detailed survey of area, wipe and debris sample. No isolated particle.
123	Cell 30	FIDLER slightly elevated, near pipe depression area	Detailed survey of area, wipe and debris sample. No isolated particle.
124	Cell 29	FIDLER slightly elevated, under He tank	Detailed survey of area, wipe and debris sample. No isolated particle.
126	Cell 30	FIDLER ~ 6k, in pipe depression area of floor	Detailed survey of area. No isolated particle. FIDLER response unconfirmed.
201	Cells 3/4	FIDLER ~ 10k cpm on floor	Loose, readily removed.
	Cell 21	FIDLER ~ 10k cpm on floor	Loose, readily removed.
	Cell 4/5	FIDLER ~ 2.7k cpm on debris	Detailed survey of area, debris sampled. No isolated particle.
	Cell 37	FIDLER ~ 8k cpm on floor	Loose, readily removed.
203	Cell 2	FIDLER ~ 29k cpm on floor	Loose, readily removed.
205	Cell 29	FIDLER slightly elevated, under He tank	Detailed survey of area. No evidence of isolated particle.
	Cell 1	FIDLER ~ 18.5k cpm on floor location	Loose, readily removed. ²³⁹⁺²⁴⁰ Pu estimated @ 290 nCi (field).
207	Cells 44/47	FIDLER ~ 10k cpm on floor location, 20 cpm α -radiation	Hand abrasive removed about 75% of contamination. Rotary hammer successful in removing remaining.
208	Border Cell 4 & Exterior Pad	FIDLER slightly elevated over joint between shelter and pad.	Loose, readily removed by removing material in joint.
210	Cells 4/8	FIDLER ~ 3.5k cpm on floor location	Hand abrasive successful in removal. ²³⁹⁺²⁴⁰ Pu estimated @ 28 nCi (lab).
	Cells 6/7	FIDLER ~ 7k cpm along crack in floor, multiple locations	Four separate closely-spaced locations. Hand removal with chisel successful for one. Rotary hammer successful in removing remaining.
	Cell 16	FIDLER ~ 3k cpm on floor location	Hand removal with chisel partially successful. Rotary hammer successful in removing remaining.
211	Cell 48: Concrete & Metal Threshold	FIDLER ~ 25k cpm on floor location at interface between concrete floor slab and metal threshold	Loose, readily removed by removing material in joint.

TABLE 7-3. FIDLER Response to Calibrated Source [Shelter 210, 28 June 2007].

FIDLER		Counts (1-minute), 2 inches from source (0.9904 $\mu\text{Ci } ^{241}\text{Am}$)*		
FIDLER Probe	Ludlum 2221 Meter	Background	Gross	Net
SN 60005-2900	SN 169248	1,294	124,974	123,680

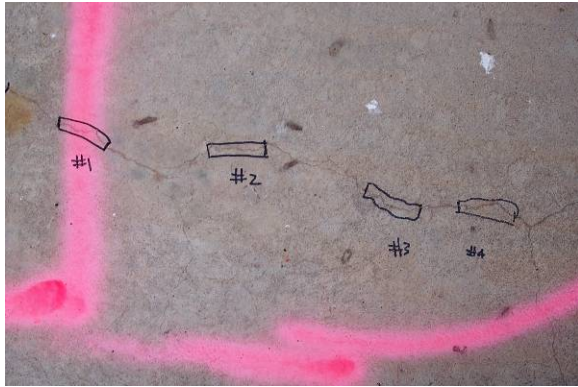
* $^{239+240}\text{Pu}$: 22,420 cpm-net per μCi , assuming $^{239+240}\text{Pu} : ^{241}\text{Am} = 5.57$. On-contact measurements are estimated to be 2.7-fold higher, based on simple solid angle acceptance correction.

7.2.2.5 Shelter 205. One area with apparent discrete particles was readily removed on 29 June. The area under the helium tank was investigated on 13 August for discrete elevated γ -radiation emissions with a Ludlum Model 44-3 probe and surface α -radiation emissions with a Ludlum Model 43-89 probe. The findings were unremarkable and attributed to the same factors as discussed for shelters 121 and 123.

7.2.2.6 Shelter 207. One area with elevated FIDLER response was partially removed by hand abrasions with resin-coated sandpaper. Since only partial removal (75 %) was achieved with moderate effort, it was decided to save additional removal to the electric rotary hammer. The latter removal step was successful with limited surface concrete removal. Among the areas with FIDLER-identified contamination on concrete surfaces, this location appeared more diffuse than the others, though it appeared confined to the area of a boot heel. The area was in close proximity to the door and the concrete surface was rough, possibly aiding transfer and retention.

7.2.2.7 Shelter 210. Shelter 210 had the greatest number of fixed contamination locations in the concrete floor. Many of them were associated with a crack in the concrete surface that aided retention (see Figure 7-1). A few of these areas required significantly more concrete removal by the rotary hammer to allow successful removal of the particle(s). Figure 7-2 contains photographs of the discretely contaminated area on the border of cells 4 and 8. This area was easily mitigated with light hand abrasions with resin-coated sandpaper.

7.2.2.8 Concrete Block Walls. Most of the buildings outside of the missile area were constructed of concrete block. A common observation during FIDLER scan surveys was a gross increase in instrument response near wall boundaries of the facilities. On-contact measurements with a FIDLER on concrete walls provided response in some cases four to five times the background count rate. The high count rate was attributed to high naturally occurring radioactivity content of the block, as compared to the concrete and aggregate used for floors. A sample was collected from concrete block of Building 28 (Appendix D, AFIOH/SDRR ID 10700422). The activity concentrations of ^{228}Ac (indicative of ^{232}Th decay series), ^{234}Th (indicative of the ^{238}U decay series), ^{226}Ra (indicative of ^{222}Rn and decay daughters) were all about five times that of natural background soils for the area.

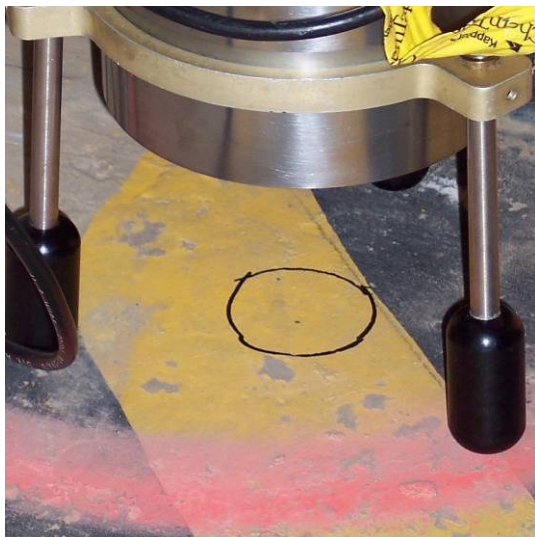


a. Areas Prior to Mitigation



b. Areas Following Hand Chisel Mitigation

Figure 7-1. Elevated FIDLER Response Areas of Cells 6/7 in Shelter 210.



a. Circle Indicates Contaminated Area Prior to Abrasive Removal.



b. Post Abrasive Removal.

Figure 7-2. Elevated FIDLER Response Areas of Cells 4/8 in Shelter 210.

7.3 Debris γ -Spectroscopy Sampling Results.

Table 7-4 contains γ -spectroscopy results for floor debris removal actions. For most shelters, all the debris material removed from the sweeping activity was sent as a complete sample to the laboratory. At the laboratory, samples were homogenized, with analyses accomplished on a representative aliquot. For a few shelters, only a field composite of debris piles were collected and sent for analysis. For these cases, “partial” is added to the descriptor under the “shelter” heading of the table. For shelters 201, 203, and 213, this was accomplished in this manner due to the unusually high amount of debris on the floor, which was primarily soil from areas adjacent to the shelters. For these shelters, the remainder of the debris was collected, bagged, and added to the radiological waste

disposal containers. For sampling in shelters 101, 102, 104, and 106, only composite samples were collected and analyzed. Since the sampling results were above 8 pCi/g $^{239+240}\text{Pu}$ for shelter 102 debris, the floor was subsequently swept with the material added to radiological waste disposal containers. Some of the shelters had debris from equipment rooms and main shelter room combined, while for other shelters the samples were separate. This was somewhat driven by the volume of debris in an individual room – for cases where the main shelter had a large volume, a separate sample was generated for debris from the equipment rooms. In general, debris volume was closely related to the status of the front missile doors of the individual shelters. While the rubber gaskets on the bottom of the missile doors have undergone some degradation over the years and do not provide a good environmental seal, shelters with closed missile doors had significantly lower debris volumes than those with partially or fully open doors. Also, shelters 201, 203 and 205 are in an area where the concrete pad in front of the shelters had been removed in the 2002 – 2004 remediation and replaced with soil. This may have contributed to higher debris volumes.

Overall, many of the shelters in proximity to the former location of shelter 204 had debris with $^{239+240}\text{Pu}$ in excess of 8 pCi/g, the criterion established for soils in the RI/FS. Shelter 208 had the highest concentration, 108 pCi/g. The four outlying 200-series shelters sampled had $^{239+240}\text{Pu}$ activity concentrations below the 8 pCi/g criterion. This is logical since the original plume identified by the 1996 OHM characterization only extended to shelter 206 (see Figure 7-3). Also, with the exception of shelter 203, shelters with separate equipment room samples had $^{239+240}\text{Pu}$ activity concentrations below the 8 pCi/g. Among the shelters in the 100-series sampled, only shelter 102 had $^{239+240}\text{Pu}$ activity concentrations above 8 pCi/g. The contamination pattern, as shown in Figure 7-4, is not in close proximity to this shelter, like it is in the case for the lower number 200-series shelters. Soil handling operations during the 2002 – 2004 remediation were conducted in front of this shelter as shown in Figure 7-4a and likely had some contribution to the low-levels of contamination that was removed.

Table 7-4 also contains estimates of total activity removed, based on the activity concentration of the sample and total mass removed from a shelter. As noted, estimates were not possible for shelters where field composites were collected, as total mass is unknown. In the case of shelter 205, the total $^{239+240}\text{Pu}$ activity removed from debris sweeping was 215 nCi. From Table 7-2, the particle removed from Cell 1 (prior to the debris sweeping operation) had an estimated $^{239+240}\text{Pu}$ activity of 290 nCi and represents about 57 % of the bulk contamination on the floor surface. Similar comparisons could be made for shelters 201, 203, and 207 where a number of discrete particles were removed, while in the case of shelter 208 the only area of elevated FIDLER response was over the joint between the concrete floor and exterior asphalt. $^{239+240}\text{Pu}$ activity concentrations for pit debris of shelters 208 and 210 were 17.4 and 42.4 pCi/g, respectively. It is logical for these pits to have $^{239+240}\text{Pu}$ activity concentrations greater than 8 pCi/g, as the debris would have been on the shelter floor prior to translocation to a pit area. Four of the shelters had analyses of debris from a second sweeping operation. For three of these (shelters 201, 208, and 209), the $^{239+240}\text{Pu}$ activity concentrations were lower than the initial sweeping. For shelter 210, the concentration was about 38 % higher. The mass of debris collected from a second sweeping was 349 g, significantly lower than initially removed from initial sweepings of any of the shelters. Discussion of this debris will be made later in this report.

TABLE 7-4. Debris γ -Spectroscopy Sampling Results.

Shelter	Debris Mass (g)	$^{241}\text{Am}^*$ (pCi/g)	$^{239+240}\text{Pu}^{**}$		Area @ 15 cm Depth Equivalent to 8 pCi/g***
			Concentration (pCi/g)	Activity (pCi)	
101 (Main, Partial)	1860	0.15 ± 0.02	0.84	NA	< Criterion
102 (Main, Partial)	1300	1.72 ± 0.14	9.6	NA	NA
104 (Main, Partial)	928	0.56 ± 0.06	3.1	NA	< Criterion
106 (Main, Partial)	953	0.09 ± 0.03	0.5	NA	< Criterion
201 (Main, Partial, 1 st)	2680	1.1 ± 0.1	6.1	NA	< Criterion
201 (Equip, 1 st)	2170	1.36 ± 0.10	7.6	1.6×10^4	< Criterion
201 (Main, 2 nd)	391	0.53 ± 0.08	2.95	1.2×10^3	< Criterion
203 (Main, Partial)	2070	9.9 ± 0.6	55.1	NA	NA
203 (Equip)	1490	2.68 ± 0.18	14.9	2.2×10^4	0.012 m ²
205 (Main)	4770	7.98 ± 0.49	44.5	2.1×10^5	0.12 m ²
205 (Equip)	1830	0.44 ± 0.05	2.5	4.5×10^3	< Criterion
207 (All)	6300	5.23 ± 0.33	29.1	1.8×10^5	0.10 m ²
208 (Main, 1 st)	3830	20.2 ± 1.2	112.5	4.3×10^5	0.24 m ²
208 (Pit, Partial)	1170	3.12 ± 0.21	17.4	NA	NA
208 (Equip, 1 st)	878	0.22 ± 0.04	1.23	1.1×10^3	< Criterion
208 (All, 2 nd)	240	2.03 ± 0.20	11.3	2.7×10^3	0.002 m ²
209 (All, 1 st)	3320	1.40 ± 0.85	78.0	2.6×10^5	0.14 m ²
209 (All, 2 nd)	360	1.73 ± 0.18	9.64	3.5×10^3	0.002 m ²
210 (Main, 1 st)	3570	5.92 ± 0.38	33.0	1.2×10^5	0.07 m ²
210 (Pit, Partial)	659	7.61 ± 0.49	42.4	NA	NA
210 (Equip, 1 st)	2270	0.51 ± 0.05	2.8	6.4×10^3	< Criterion
210 (All, 2 nd)	349	8.16 ± 0.61	45.5	1.6×10^4	0.009 m ²
211 (All)	4200	0.66 ± 0.07	3.7	1.5×10^4	< Criterion
212 (Main)	4740	0.38 ± 0.05	2.1	1.0×10^4	< Criterion
212 (Equip)	1700	0.06 ± 0.01	0.33	5.7×10^2	< Criterion
213 (Main, Partial)	775	< 0.09	< 0.5	NA	< Criterion
214 (All)	8020	1.12 ± 0.08	6.2	5.0×10^4	< Criterion
Bldg. 23 (Decon)	2461	< 0.06	< 0.33	NA	< Criterion
$^{239+240}\text{Pu}$: 8 - 73 pCi/g			$^{239+240}\text{Pu}$ > 73 pCi/g		

* 95% Confidence Interval. ** $^{239+240}\text{Pu}$: ^{241}Am = 5.57. NA = Not Applicable (Total Mass Unknown).

***1 m² @ 15 cm depth and $\rho = 1.5 \text{ g/cm}^3$, contains $2.25 \times 10^5 \text{ g}$.

7.4 Grid Surveys.

7.4.1 Static α -Radiation, Scanning FIDLER, and Wipes.

7.4.1.1 General. Appendix E contains copies of the static α -radiation, scanning α -radiation, scanning FIDLER, wipe survey forms, and survey maps of gridded α -radiation measurements. The forms contain measurement data, general findings/comments, and specific findings. One consistent



Figure 7-3. 1996 Characterization Results (OHM 1998).



a. Overhead View of 2002 – 2004 Remediation. Red Circle Denotes Soils Loading and Decontamination Area.



b. Soil Loading Operation During Remediation.

Figure 7-4. Photographs of 2002 – 2004 Remediation (Duratek 2006).

observation among the shelters was the generally smooth finish of the concrete of the main shelter floors, but generally rougher finish on floors of the equipment rooms. Floor locations at the ends of some launchers had small deposits of hydraulic oils from apparent leaks in supply lines. Appendix G contains a summary of the measurement results and gross α -radiation laboratory results on wipe samples. Complete laboratory wipe reports are in Appendix L. Key parameters from floor surveys are summarized in Table 7-5.

7.4.1.2 FIDLER Scans. The FIDLER data is contained in the upper rows of Table 7-5, listing mean, median, standard deviation, minimum, and maximum integrated counts. Two columns are listed for shelter 205, as FIDLER scans for the main shelter were accomplished on different dates, providing a different background count rate. Therefore, it was deemed more appropriate to provide separate summary statistics for the two sets of data. The equipment room of shelter 205 was surveyed on the same day as shelter 201 and 203, providing fairly consistent statistics among the three data sets. The others were accomplished in the same week, almost a month earlier, and provide similar consistency. In general, the summary statistics are unremarkable except for a couple of subtle observations. Among the shelters with lower FIDLER response, the two cells with the highest integrated count were from shelter 210 and correspond to cells 4 and 7, which during the survey contained known, unmitigated discrete particles. Cell 39, a corner location in the equipment room, consistently had the highest integrated counts among those collected in equipment rooms, and the highest response for some shelters as a whole. This observation was attributed to a geometry effect, where proximity to the walls provided a higher response due to the contributions from naturally occurring radioactivity content of the walls. The exterior walls of the equipment room were concrete block. Based on observations and measurements, proximity to these walls provided a greater geometry effect than the solid concrete wall of the main shelter room. However, FIDLER response on contact with concrete block in the shelters was significantly lower than that described for buildings outside the missile area.

7.4.1.3 Static α -Radiation Measurements.

The middle rows of Table 7-5 provide a summary of the static in-situ α -radiation measurements. Among the shelters measured, shelter 210 had the highest average count rate, 19.8 cpm (before abrasion), with shelter 209 next highest with an average count rate of 9.2 cpm (before abrasion). The two shelters physically located at the end of the row of shelters had the lowest average count rate among the shelters, and is logical due to the greater separation distance from the original accident site and contamination that was retained in the ground after the accident (Figure 7-3). Also, shelter 210 was used extensively for storage of soil samples over the history of investigations on the site, as well as for calibrations of FIDLERs during the 2002 – 2004 restoration activities, incorporating contaminated soils. Among the static measurements collected on the grids, the highest was 82 cpm (shelter 209). Shelters 203 and 210 had the next highest results, 72 and 66 cpm, respectively. Figures 7-5 and 7-6 contain mappings of static α -radiation measurements in shelter 210 and 209, respectively. There is no clear pattern of contamination. The cells with higher static measurements within each shelter are neither proximal to one another, nor is there any correlation in cells with the higher static measurements among shelters. Mappings of α -radiation measurements for other shelters are in Appendix F.

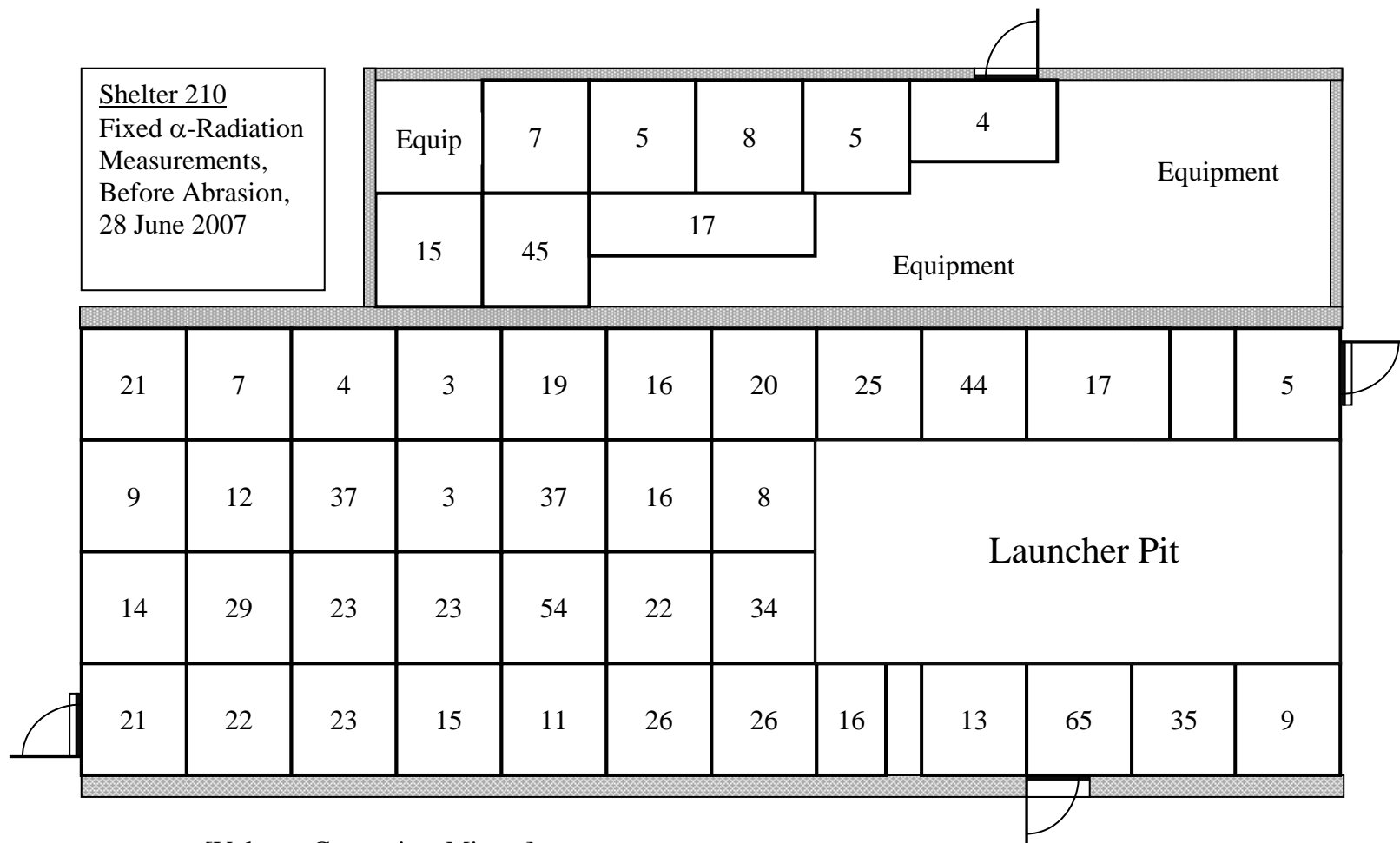
Separate rows of Table 7-5 provide summary statistics for static measurements following light surface abrasion and the difference between the two measurements. While some measured locations had significant differences between the before and after abrasion measurement, the overall net effect on the average count rate was insignificant. For example, the median values among distribution of differences ranged from -2 to 2 cpm. Figure 7-7 contains a scatter plot of the data for shelter 210, which had the greatest degree of surface contamination among the shelters evaluated. The table contains a summary of positive, negative, and zero difference among the paired measurements. For the 450 paired measurements, the total positives were 191, negatives were 180, and zero differences were 79.

The light abrasive procedure was placed in the measurement protocol to test whether or not masking of α -radiation emissions impacted evaluation of surface radioactivity. From the data, the light abrasive action appeared in some cases to cause a significantly lower and higher instrument response, indicating some masking effects that were both diminished or increased by the abrasive action. Figure 7-8 is a histogram of the same data. Overall, statistically significant differences did not exist for many of the paired measurements, and the net effect did not have a significant change in the average measured surface contamination with this method.

A lesser degree of survey work was accomplished on shelters 102, 104, 121, 125, and 126 than the 10 shelters in proximity to former location of shelter 204. Only α -radiation measurements and wipes were collected on floor surfaces of the main shelters. Overall, based on statistical indices, the shelters have residual contamination on par with shelters 212 and 214, which approach background conditions.

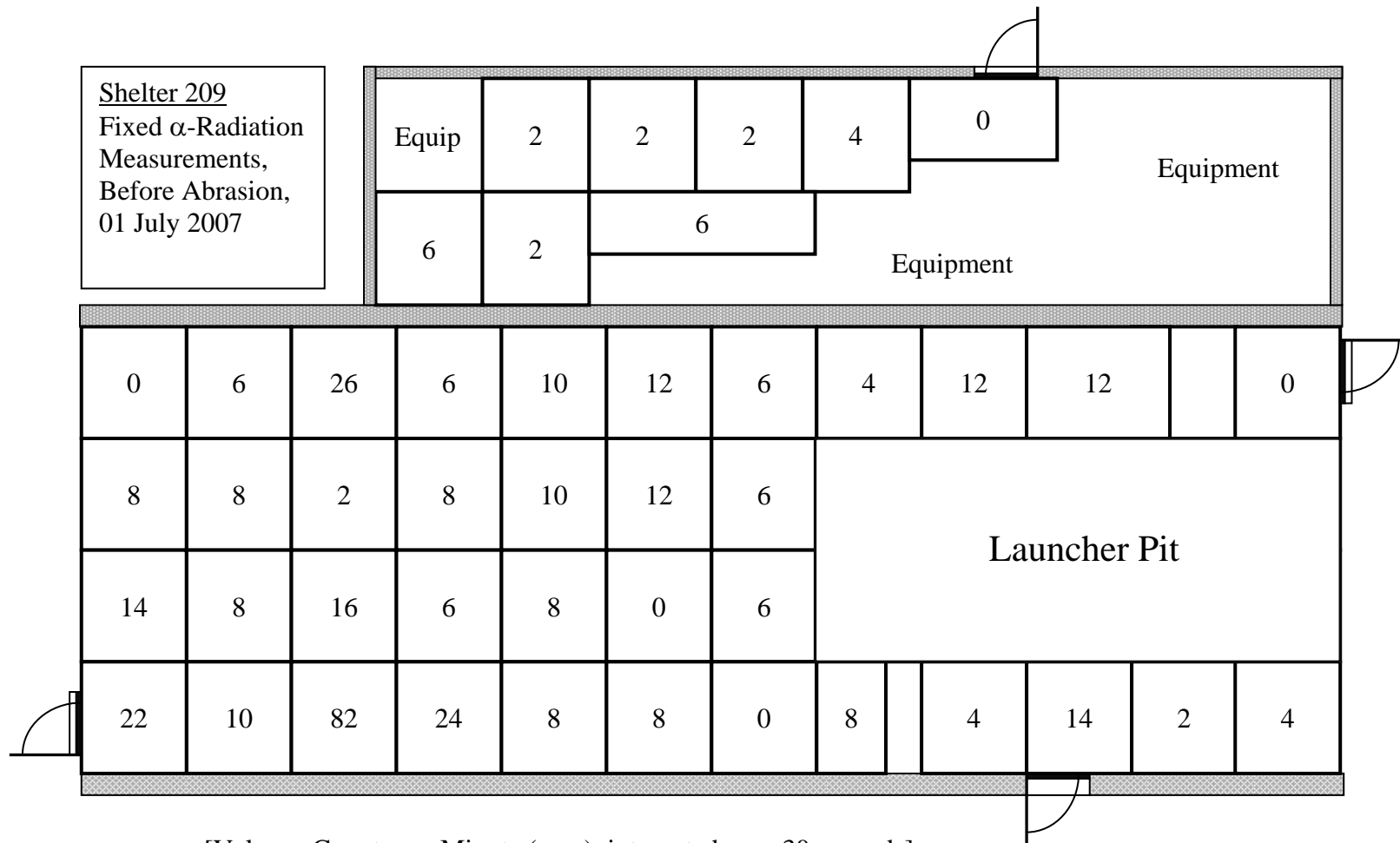
7.4.1.4 Duplicate α -Radiation Measurements. Duplicate α -radiation measurements were collected at five or more locations in the 10 shelters evaluated in 2007 as a quality assurance (QA) measure. In contrast to the static measurements that were collected before and after surface abrasion, these measurements may not have been collected in the exact previously measured location, as the previously measured locations were not marked for future reference. In that context, the comparison to the initial measurement provides some indication of variability in surface contamination levels. Figure 7-7 contains a scatter plot of the QA to initial measurement (before abrasion). Though some variability exists, like that observed in the data of Figure 7-7, the median difference between the sets of data was (-1) cpm, with a minor decrease overall in count rate for the QA compared to initial measurement.

7.4.1.5 Wipe Measurements. The bottom group of rows of Table 7-5 contains a summary of wipe results for each individual shelter, while a complete list of results, sample number, etc. is contained in Appendix G. The vast majority of the gross α - and β -radiation analyses were less than the reported decision level, typically about 2 pCi. The highest two were from shelter 210, 39.4 and 16.9 pCi, or respectively 29.2 and 12.5 dpm/100 cm². The next highest was 6.3 pCi from shelter 209. Reported gross β -radiation levels were low, with the highest at 4.7 pCi, which correlated to the wipe with the highest gross α -radiation, suggesting possible minor cross-talk. Figure 7-8 contains scatter plot of mean removable $^{239+240}\text{Pu} + ^{241}\text{Am}$ concentration to mean in-situ α -radiation concentration, based on the extracted $^{239+240}\text{Pu}$ from composited wipes from each shelter. The data has a good fit to the linear regression, with the slope being an estimator of the removable fraction 2.4 % [90 % confidence interval, 2.1 – 2.7 %]. In addition, the x-intercept is an estimator of natural



[Values: Counts in a Minute]

Figure 7-5. Mapping of Static α -Radiation Measurements on Floor of Shelter 210.



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Figure 7-6. Mapping of Static α -Radiation Measurements on Floor of Shelter 209.

TABLE 7-5. Data Summary for Gridded Static α -Radiation and Scanning FIDLER Measurements, and Wipes on Floors.

Analytical Method		Parameter	Shelter Number										
			201	203	205*		207	208	209	210	211	212	214
FIDLER Scanning (cpm, 1-minute integrated)		Mean	1932	1904	1236	1889	1217	1242	1219	1216	1225	1212	1243
		Median	1949	1924	1274	1913	1204	1251	1212	1191	1210	1214	1256
		St. Dev.	122	126	110	129	96	89	85	112	93	77	99
		Maximum	2145	2171	1418	2114	1470	1408	1412	1566	1436	1403	1418
		Minimum	1682	1646	984	1708	1089	1048	990	1027	1002	1073	1009
Static α-Radiation Measurements (cpm) Ludlum 43-89	Before Abrasion	Mean	4.0	6.5	4.8		3.6	6.0	9.2	19.8	3.9	3.4	2.8
		Median	4	4	4		4.0	4	6	17	4	2	2
		St. Dev.	3.2	7.8	4.2		3.9	6.6	12.6	14.0	3.5	3.5	2.5
		Maximum	14	44	18		22.0	32	82	65	16	16	8
		Minimum	0	0	0		0.0	0	0	3	0	0	0
	After Abrasion	Mean	4.4	7.9	6.0		3.6	5.9	7.4	19.1	4.1	2.8	3.3
		Median	4	4	4		2.0	4	6	15	4	2	2
		St. Dev.	3.9	11.7	8.5		3.5	7.2	7.7	15.8	3.1	2.5	2.1
		Maximum	16	72	52		16.0	46	48	66	16	8	8
		Minimum	0	0	0		0.0	0	0	3	0	0	0
	Difference: Before - After	Median	2	0	0		0	0	-2	-1	0	0	0
		Maximum	10	28	50		12	14	12	35	10	6	6
		Minimum	-8	-28	-14		-12	-8	-34	-30	-12	-16	-6
		# Positive	24	22	20		20	17	14	19	21	13	21
		# Negative	19	15	16		19	19	25	24	15	16	12
		# Zero	2	8	9		6	9	6	2	9	16	12
	Removable (Wipes)	Gross α- radiation (dpm/100 cm ²)	Highest	1.8	3	< 1.5		1.9	< 1.5	4.7	29.2	1.7	< 1.5
2nd Highest			1.3	1.7	< 1.5		1.4	< 1.5	2.7	12.5	< 1.5	< 1.5	1.2
3rd Highest			< 1.5	1.5	< 1.5		< 1.5	< 1.5	2.1	2.1	< 1.5	< 1.5	< 1.5
4th Highest			< 1.5	< 1.5	< 1.5		< 1.5	< 1.5	2.1	1.9	< 1.5	< 1.5	< 1.5
Composites (Isotopic Pu)		²³⁹⁺²⁴⁰ Pu (pCi)	1.46	9.87	6.7		4.92	14.2	45.7	92.5	7.22	2.25	1.59
		²³⁹⁺²⁴⁰ Pu + ²⁴¹ Am (dpm/100 cm ²)	0.028	0.19	0.13		0.096	0.277	0.89	1.69	0.14	0.044	0.031

* 1st Column Main Shelter for FIDLER, 2nd Column for Equipment Room.

TABLE 7-5. Data Summary for Gridded Static α -Radiation and Scanning FIDLER Measurements, and Wipes on Floors (continued).

Analytical Method		Shelter Number				
		102	104	121	125	126
Static α -Radiation Measurements (cpm) Ludlum 43-89	Mean	2.2	2.4	2.4	1.8	1.6
	Median	2.0	2.0	2.0	2.0	0
	Standard Deviation	2.0	2.2	2.1	1.8	2.1
	Maximum	8.0	8.0	8.0	6.0	6.0
	Minimum	0	0	0	0	0
Removable (Wipes)	Highest Gross α -radiation (dpm/100 cm ²)	< 1.5	2.6 \pm 1.0	1.9 \pm 0.9	< 1.5	< 1.5

background α -radiation emission concentrations, which is about 3 cpm for the Ludlum Model 43-89 probe. As a comparison, the risk modeling with RESRAD-Build used a 10 % removable fraction, the default parameter (Appendix B, Table B-3).

7.4.2 α -Radiation Scanning Measurements. Five of the 15 shelters receiving detailed grid-based measurements had α -radiation scanning measurements of the floor (shelters 201, 203, 208, 209, and 210). Survey forms are in Appendix E, while measurement maps are in Appendix F. Table 7-6 contains summary statistics of the scan data, with select statistics from Table 7-5, as a basis of comparison. Overall, the average α -radiation concentrations were lower compared to either (before or after abrasion) set of static measurements. Figure 7-11 contains a scatterplot of mean static grid measurements vs. scanning measurements after the sweeping operation for shelter 210. Of the 45 paired measurements, 37 scanning measurements were lower than the static pre-sweeping measurements, while only eight were higher. Also, the coefficient of variation (standard deviation divided by mean) of the data set for each shelter was lower than those of the static measurements, as well as the maximum recorded value for each shelter. This is logical since elevated areas are effectively averaged over an entire cell. It is not known why the scans provided lower average concentrations for each shelter as compared to the static measurements. It is speculated that the additional measure of sweeping prior to the scans further reduced surface contamination levels. This is logical since debris removed in the sweeping operations contained low-levels of ²⁴¹Am contamination, based on laboratory analysis of debris samples. The scan surveys identified two areas of elevated concentration that received detailed measurements and mitigation described below.

7.4.3 Elevated Areas Identified by α -Radiation Scanning Measurements. Shelters 203 and 209 had areas of elevated α -radiation contamination identified by scanning measurements. Upon initial evaluation, the area in shelter 203 (border cells 44 and 47) did not appear to be a discrete, but encompassed an area the size of a boot. The Ludlum 43-89 α -response on contact was 96 cpm, while response to the Ludlum 44-3 probe was consistent with background. This is logical since the area did not elicit a response from the FIDLER during the initial or detailed grid scans. A wipe collected over the area (100 cm²) had a laboratory reported α -radiation activity of 17.2 \pm 1.2 pCi (95 % confidence interval), yielding a removable fraction of 9.6 %, ignoring background subtraction. The one-minute integrated α -radiation scan for cells 44 and 47 were 12 and 21 cpm, respectively.

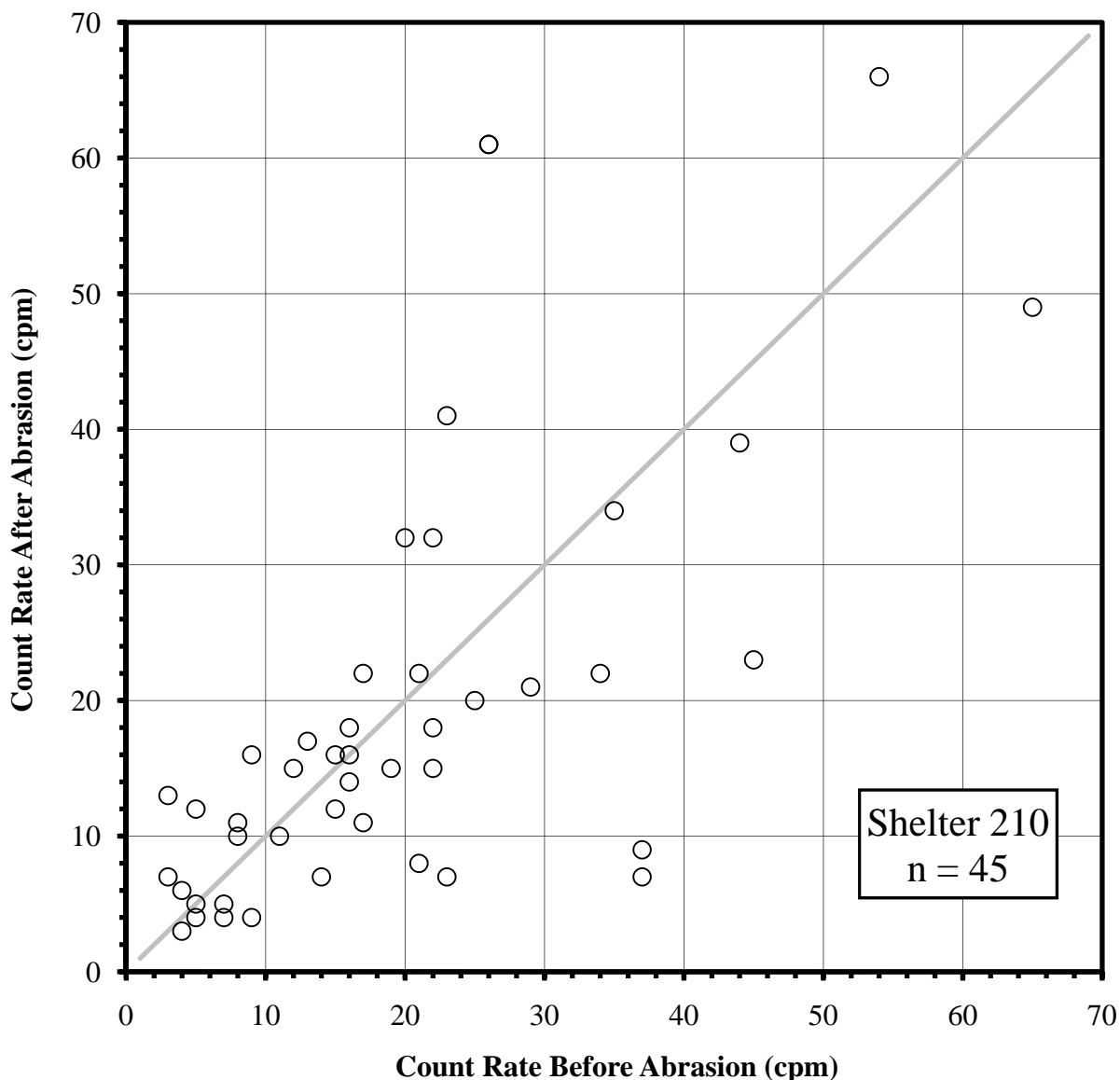


Figure 7-7. Scatter Plot of Count Rate After vs. Before Light Abrasion (Shelter 210).

These were the highest among the 45 cells measured; however, the elevated area had only a moderate influence on the overall average for the cells and shelter as a whole. A summary of measurements are contained in Appendix E. The area was remediated in September 2007 with a number of other locations. The highest post-remedial action α -radiation level was 32 cpm (Ludlum 43-89 probe). An elevated area on the border of Cells 7 and 8 in shelter 209 was identified by α -radiation scanning. The area was larger than that of shelter 203, encompassing about 1 ft², and had a maximum measured α -radiation level of 181 cpm, with an average among five areas of 134 cpm. The contaminated area had some minor depressions in the concrete with rough areas that may have contributed to the retention of contamination and dirt. The one-minute integrated α -radiation scan for cells 7 and 8 were 8 and 13 cpm, respectively. The latter was the highest among the 45 cells

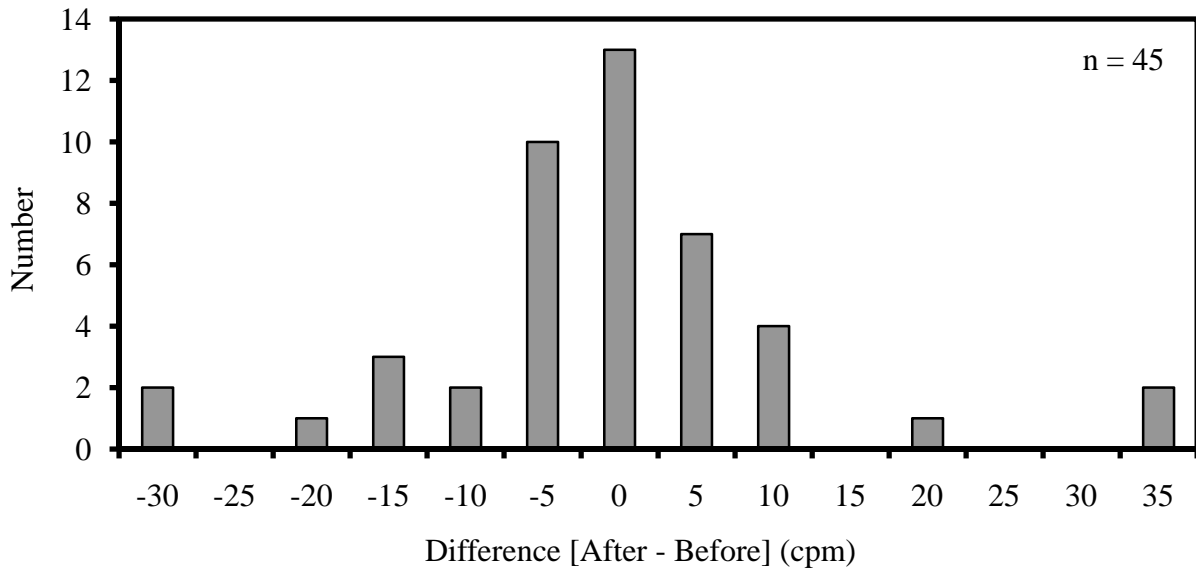


Figure 7-8. Histogram of Difference (After – Before) for In-Situ α -Radiation Measurements (Shelter 210)

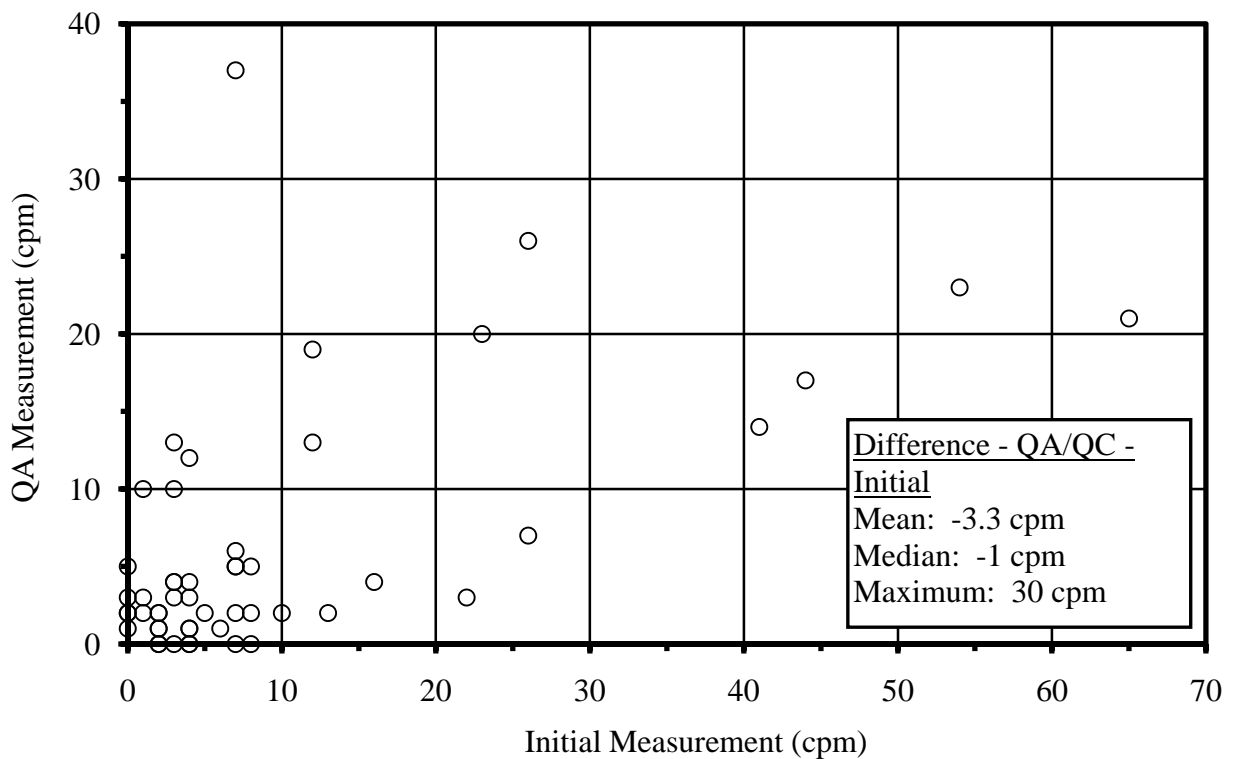


Figure 7-9. Scatter plot of QA/QC to Initial Static Gridded α -Radiation Measurements (n = 53).

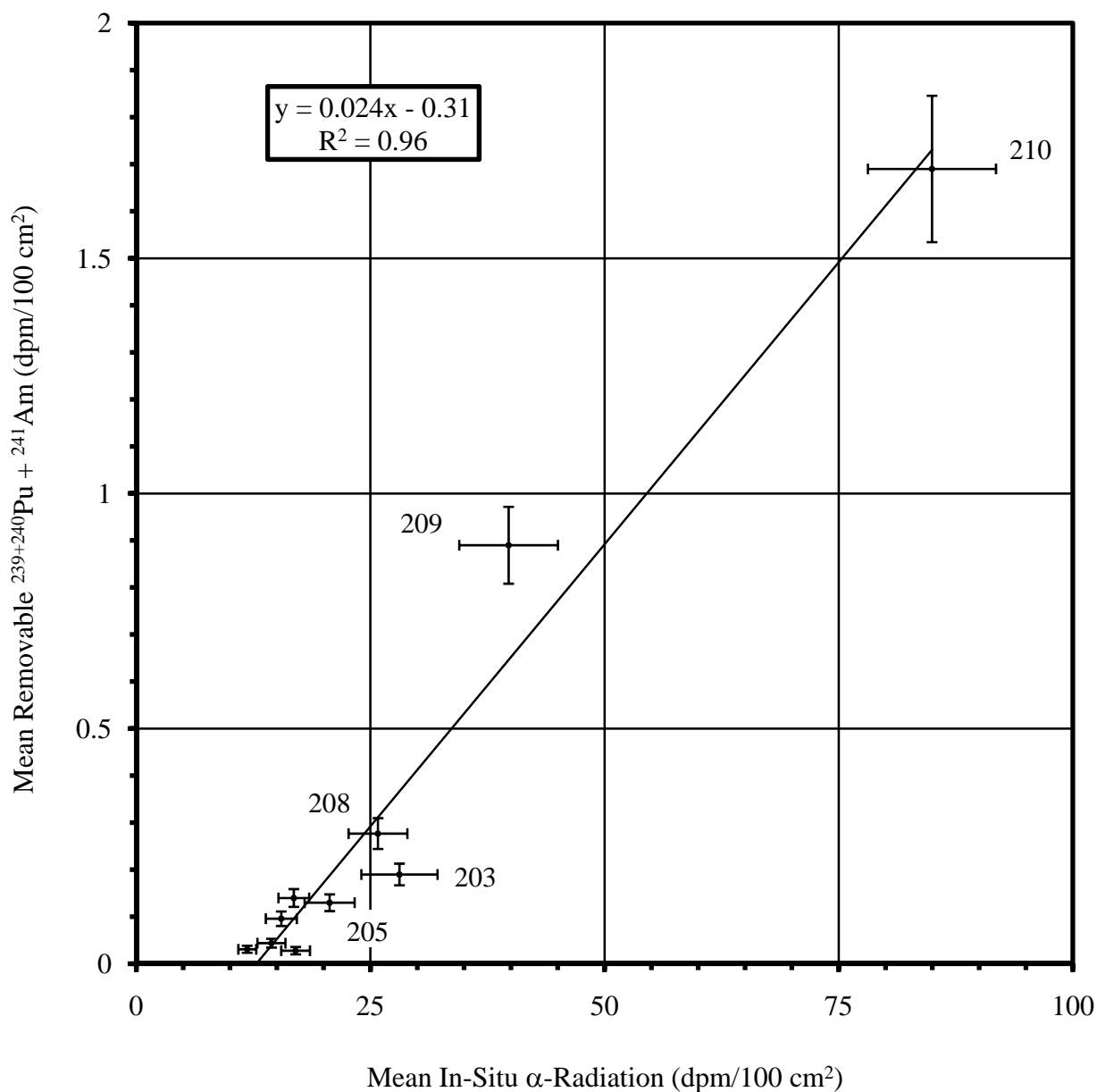


Figure 7-10. Scatterplot of Mean Removable ²³⁹⁺²⁴⁰Pu + ²⁴¹Am Concentration to Mean In-Situ α -Radiation Concentration [Annotation of Select Shelters, 1- σ Uncertainty Bars].

measured; however, the elevated area only had a moderate influence on the overall average for cell 8 and negligible influence on the average for the shelter floor as a whole. The area was remediated in September 2007 with an average post remediation α -radiation level among three measured locations of 11 cpm. The scabbled material was sent for γ -spectroscopy analysis of ²⁴¹Am content. Details of the measurements and analytical results are in Appendix C. The total ²⁴¹Am removed was 2.8 nCi, for an average surface ²³⁹⁺²⁴⁰Pu + ²⁴¹Am concentration of 4,400 dpm/100 cm², assuming 1 ft² and a ²³⁹⁺²⁴⁰Pu:²⁴¹Am ratio of 5.57. For an average in-situ α -radiation measurement of 134 cpm, the surface-detectable, α -radiation level for this area was 567 dpm/100 cm², about 13 % of the total.

TABLE 7-6. α -Radiation Scanning Survey Summary Statistics.

Method	Parameter	Shelter Number (Data in Counts)				
		201	203	208	209	210
Scan (One-Minute Integrated)	Mean	2.5	4.5	3.8	3.6	10.5
	Median	2.0	4.0	3.0	3.0	11.0
	St. Dev.	1.8	3.6	2.5	2.8	6.2
	Maximum	7.0	21.0	10.0	13.0	26.0
	Minimum	0	0	0	0	1
	Cells of Interest	None	44/47	None	7/8	None
Static Before Abrasion (One- Minute Integrated)	Mean	4.0	6.5	6.0	9.2	19.8
	St. Dev.	3.2	7.8	6.6	12.6	14.0
	Maximum	14	44	32	82	65
Static After Abrasion (One-Minute Integrated)	Mean	4.4	7.9	5.9	7.4	19.1
	St. Dev.	3.9	11.7	7.2	7.7	15.8
	Maximum	16	72	46	48	66

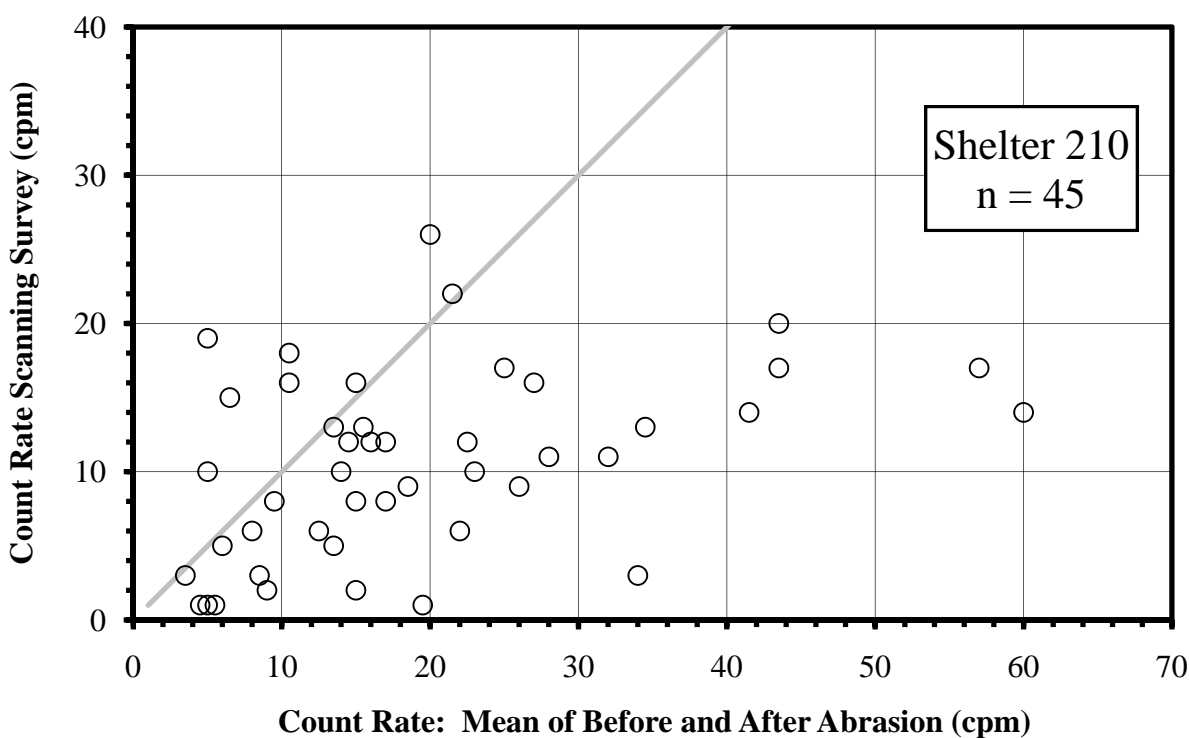


Figure 7-11. Scatterplot of Mean Static Grid Measurements before Sweeping vs. Scanning Grid Measurements after Sweeping.

7.5 Concrete Surface Degradation by Sweeping Procedure.

The State of New Jersey in review of a draft version of this report noted, “after a second sweeping, there was still significant activity in the debris of some of the shelters” (Goodman 2009). As listed in Table 7-4, the debris from four shelters that had a second sweeping had an analysis of debris. The debris from 210 had the highest $^{239+240}\text{Pu}$ concentration, 45.5 pCi/g, with the debris from shelter 208, next highest at 11.3 pCi/g. While this observation may appear counter-intuitive for shelters that meet Reg. Guide 1.86 release criteria, an in-depth technical analysis demonstrates the paucity. Figure 7-12 provides calculated $^{239+240}\text{Pu} + ^{241}\text{Am}$ activity concentrations for removal of various thicknesses of concrete contaminated at 100 dpm/100 cm², the average acceptable concentration

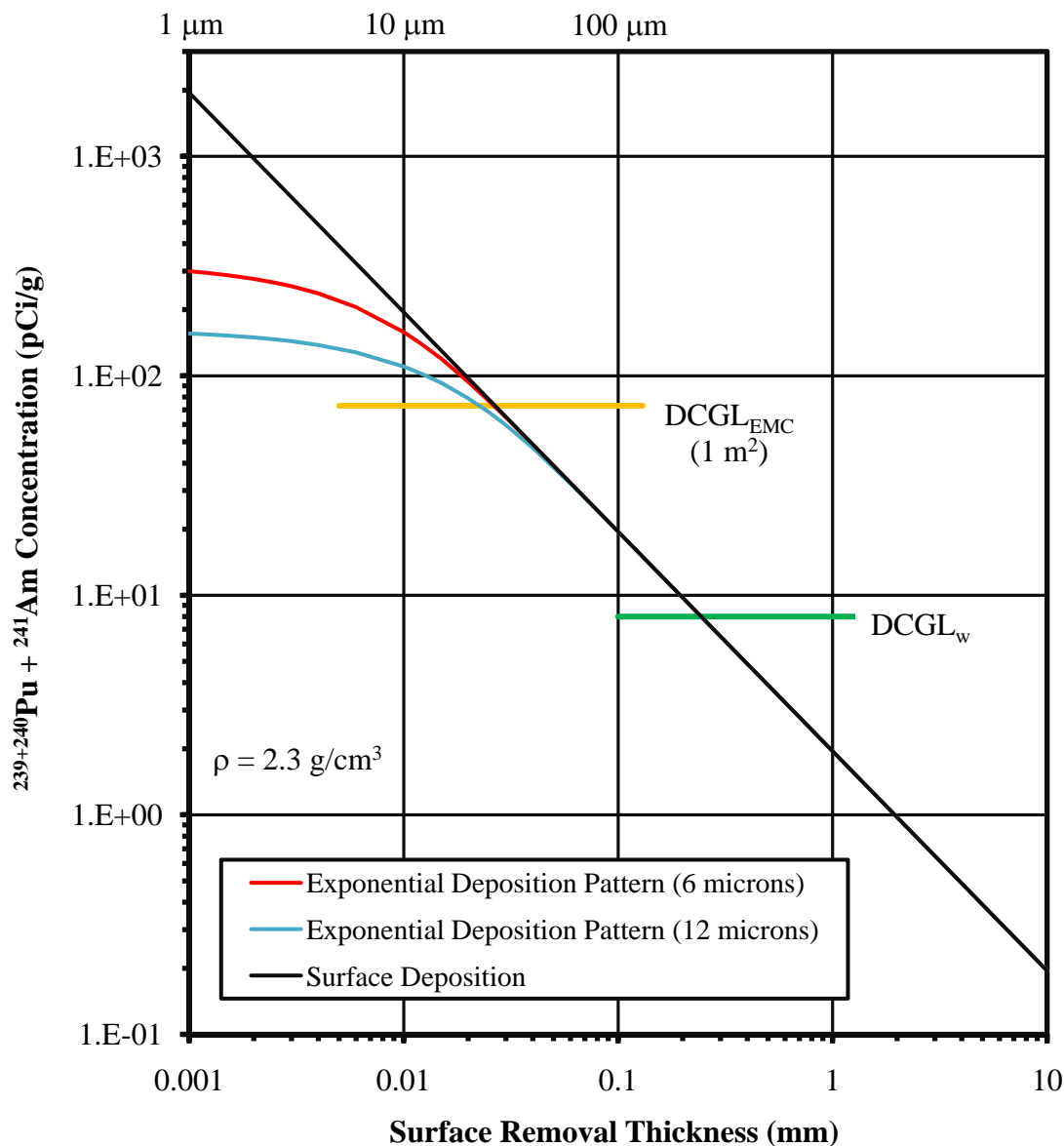


Figure 7-12. $^{239+240}\text{Pu} + ^{241}\text{Am}$ Activity Concentration vs. Surface Removal Thickness for 100 dpm/100 cm² with Various Depth Deposition Profiles.

for Reg. Guide 1.86 transuranics. Calculations were made for three separate contaminant deposition profiles. The black line is for a contaminant, deposited entirely on the surface, while the other two represent exponential deposition patterns, with relaxation lengths of 6 and 12 microns (μm). The latter patterns represent contamination deposition that is mostly confined to the top 30 μm (consistent with that observed in the abrasive removal tests) and more representative of actual conditions. In the case of removal of the surface contaminant, $^{239+240}\text{Pu} + ^{241}\text{Am}$ activity concentrations in the debris are about 2,000 pCi/g for 1 μm of surface removal, and proportionately lower when averaged over greater surface removal thicknesses. For the exponential deposition patterns, surface removals will have $^{239+240}\text{Pu} + ^{241}\text{Am}$ activity concentrations in debris significantly lower than the surface contamination case for thicknesses up to a few microns. For concrete removals greater than about 30 μm , there is little difference in calculated concentrations among the three profiles.

It may seem inconceivable that sweeping a floor with contamination embedded in the surface would be sufficient to liberate a significant amount of surface contamination. But these shelters are subject to deposition of dirt from outside surface soils, which has a large sand composition, and rust from degradation of the roofs. Subsequent sweeping with bristled floor brooms will degrade the surface of the concrete floor, and liberate some of the contamination embedded in the concrete. Sand and rust particles enhance abrasive effects of sweeping. When compared to the calculations of Figure 7-12 for exponential depositions, it is apparent that removal of the top few microns of concrete will provide $^{239+240}\text{Pu} + ^{241}\text{Am}$ activity concentrations in the range of about 100 to 300 pCi/g. Dilution with lowly or un-contaminated soil and rust debris would readily provide a resultant debris mix in the range observed.

Figure 7-12 contains two comparison bars: the DCGL_w and DCGL_{EMC} (1 m^2). The DCGL_w was the ROD-specified remedial action criteria for $^{239+240}\text{Pu}$ in surface soils, with the DCGL_{EMC} (1 m^2), based on this criteria and a RESRAD-Build modeled area factor of 9.1 for 1 m^2 areas. The second sweeping of shelter 210 yielded 349 g with 45.5 pCi/g $^{239+240}\text{Pu}$, which exceeds the DCGL_w , but not the DCGL_{EMC} (1 m^2). The shelter with the next highest $^{239+240}\text{Pu}$ activity concentration in the second sweeping was just marginally greater than the DCGL_w . Subsequent sweepings of shelter 210 should have progressively lower contaminant concentrations in the debris.

The significance of the contaminated debris is an important question - whether it is generated by a sweeping operation, wind-assisted abrasive actions, or personnel and equipment abrasions. Since the site's closure in 1972, there is no evidence that any of the shelters used for storage were swept. The sweepings, necessary to accomplish surface surveys of concrete, may have been the only sweeping some of these shelters received since 1972. Liberated from the concrete surface, the contamination is available for distribution to extra-shelter areas, including surface soils on the site. In addition, soils meeting unrestricted release criteria specified in the ROD have no limitations on future uses. Surface soils in the vicinity of shelters have the potential to be distributed to a shelter floor surface by wind, personnel, or vehicle traffic. In the interceding two weeks between static and scanning α -radiation surveys in shelter 210, it is clear the 349 g of debris removed from the sweeping activity was comprised of a significant fraction of material that originated from outside the shelter. Over longer time periods between floor sweepings, loose debris would have much lower concentrations due to greater natural dilution with outside dirt.

The ROD did not provide any limiting volumes (e.g., a maximum or minimum volume/mass) which the $^{239+240}\text{Pu}$ could be averaged. The heterogeneity in the plutonium contaminant has been emphasized at numerous stages of this project. Figure 7-13 contains a conceptual diagram of the contaminant, as distributed in two dimensions, but applicable to soil volumes as well. In the figure, most of the contaminant is comprised of discrete particles, with the varying shades of gray describing a relatively homogenous distribution. If a volume of interest encompasses a single $^{239+240}\text{Pu}$ particle, but no inert material, the activity concentration would be 0.05 Ci/g, about 6×10^9 times the DCGL_W . For a more in-depth perspective on relative particle sizes, see Figures A-4 and A-5, which provide particle diameter vs. activity for PuO_2 chemical form. The risk-based approach applied to the ROD-specified criteria of 8 pCi/g $^{239+240}\text{Pu}$ used RESRAD-generated area factors for surface soils (top 15 cm). The approach allows small areas to have concentrations of contamination well in excess of the average acceptable concentration, yet meet the same dose criterion. The smallest surface soil area modeled for elevated measurement comparisons was 1 m^2 , which encompasses 225 kg of soil ($\rho = 1.5 \text{ g/cm}^3$). Due to heterogeneity characteristics of the $^{239+240}\text{Pu}$, 1 m^2 surface soil masses could conceivably have numerous 349 g sub-masses greater than or equal to 45.5 pCi/g when the average of the whole is at the DCGL_W or DCGL_{EMC} . For structures used by hypothetical future site residents, dirt from exterior areas would be transferred by wind and foot traffic to interiors. On some occasions, small mass transfers could include those with $^{239+240}\text{Pu}$ activity concentrations in excess of the DCGL_W or DCGL_{EMC} . As well, many of the shelters evaluated had residual contamination levels at near background conditions, but in the future would be subject to introduction of $^{239+240}\text{Pu}$ contaminated soils from adjacent areas, some of which could have concentrations in excess of the DCGL_W or DCGL_{EMC} , but in relatively small masses overall.

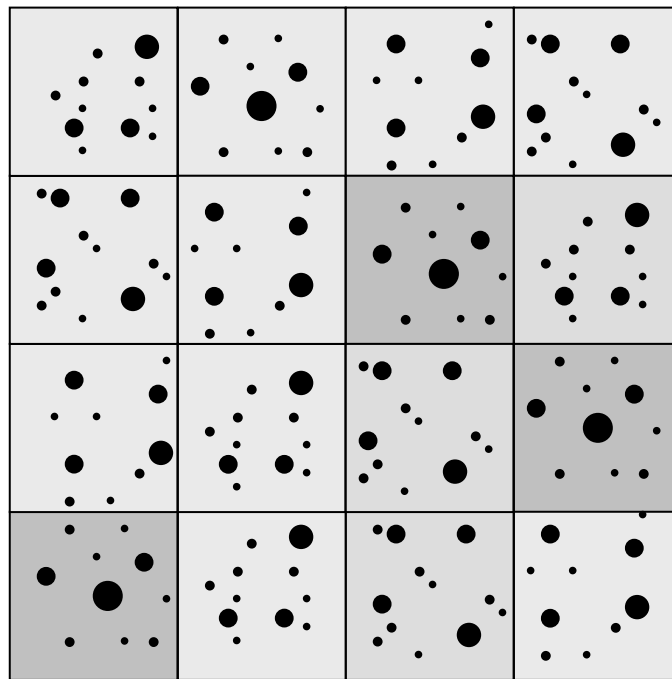


Figure 7-13. Plutonium Contaminant Conceptual Diagram (Particle Sizes Not to Scale).

7.6 Abrasive Removal Tests (Shelter 210). Appendix H contains survey data and analytical results from the abrasive removal tests conducted in four areas of shelter 210. Cells 1, 31, 12, and 24 were chosen based on either elevated wipe(s) or in-situ measurement collected in previous surveys. As listed in the appendix, the average pre-removal α -radiation count rate was 21 cpm, while the average post-removal measurement was 5 cpm, slightly above an estimated background level of 3 cpm. The operation removed 14.9 g of surface concrete with an average density thickness of 8.2 milligrams per square centimeter (mg/cm^2). Assuming a concrete density of 2.3 grams per cubic centimeter (g/cm^3), an average of 36 micrometers (μm) of surface was removed. The total $^{239+240}\text{Pu} + ^{241}\text{Am}$ removed was 976 pCi, based on a $^{239+240}\text{Pu}:^{241}\text{Am}$ ratio of 5.57, yielding an average $^{239+240}\text{Pu} + ^{241}\text{Am}$ concentration of 119 dpm/100 cm^2 . The net average removed concentration is 67.7 dpm/100 cm^2 , based on a detection efficiency of 0.189 and total net count rate of 64 cpm. In all, 57 % of the removed $^{239+240}\text{Pu} + ^{241}\text{Am}$ was detectable from surface measurements, and the vast majority of contamination was removed by the abrasive action.

7.7 Pit Measurements. Appendix E contains copies of the static α -radiation and wipe survey forms of gridded α -radiation measurements, with contamination survey maps in Appendix F. Complete grid survey data is provided in Appendix G, with a summary of measurement data in Table 7-7. Overall, static α -radiation measurements in the pits were lower than those accomplished for floor grid locations within the same shelter, as illustrated by the scatterplot in Figure 7-14. The average for shelter 210 is significantly elevated from the others due to the greater degree of contamination identified in this shelter than others, and one high measurement, 188 cpm in cell 3P. Figure 7-14 has shelter number labels for 209 and 210, as these shelters had a greater degree of surface contamination on floors than others evaluated. None of the wipe samples had removable contamination in excess of 20 dpm/100 cm^2 and are deemed unremarkable in comparison to the residual contamination evaluated on floor surfaces. Two areas on the floor of shelter 210 had elevated areas of α -radiation contamination identified. Cell 3P had one spot with an α -radiation measurement of 450 cpm, while cell 7P had one spot with 150 cpm. The next day, minor remedial action was accomplished on both contaminated locations with sandpaper and duct tape. Post-remedial action α -radiation measurements and wipes were accomplished to verify removal of the majority of the residual contamination in these areas. Additional details are in Appendix C.

TABLE 7-7. Data Summary for Gridded Static α -Radiation and Wipes on Launcher Pit Concrete Surfaces.

Analytical Method		Shelter Number					
		201	203	205	208	209	210
Static α -Radiation Measurements (cpm) Ludlum 43-89	Mean	0.5	0.17	0.9	0.9	1.4	12.5
	Median	0	0	0	0	0	0
	Standard Deviation	1.1	0.6	1.3	1.8	2.2	40
	Maximum	4.0	2.0	4.0	6.0	8.0	188
	Minimum	0	0	0	0	0	0
Removable (Wipes)	Highest Gross α -radiation (dpm/100 cm^2)	< 1.5	< 1.5	< 1.5	< 1.5	6.4	2.3
Minor Remedial Action Accomplished in Area, Value Not Representative of Final Status							

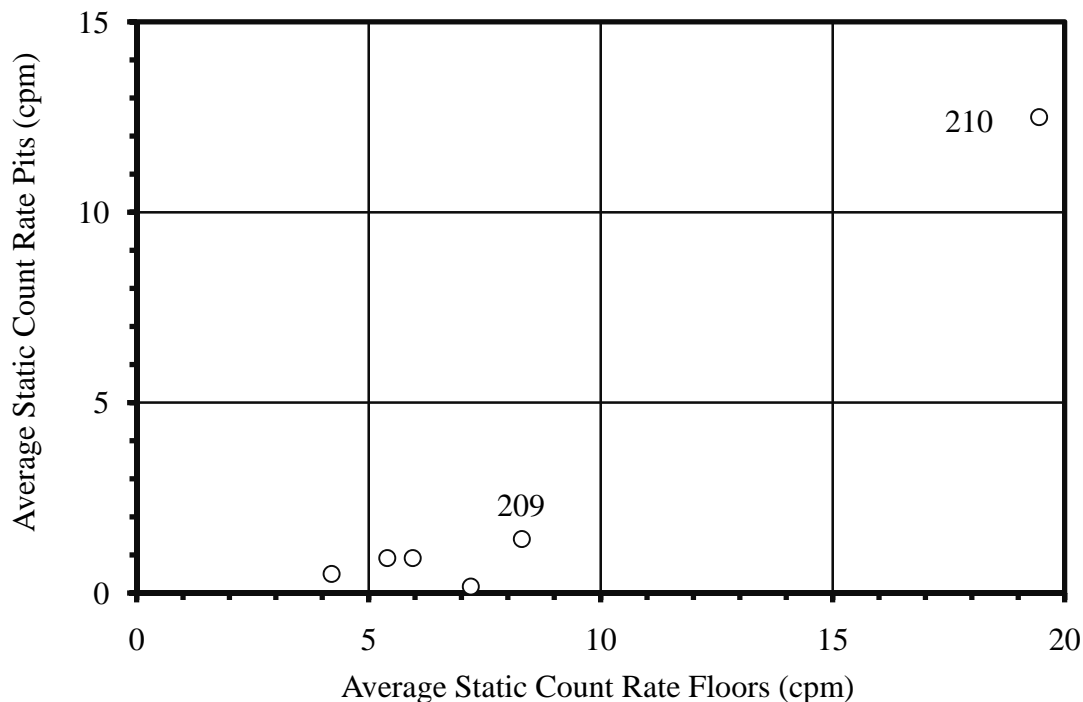


Figure 7-14. Average Static α -Radiation Count Rate for Shelter Launcher Pits vs. Floors.

7.8 Other Shelter Measurements. Having the greatest degree of residual contamination in the concrete floor surface, shelter 210 was chosen for additional scanning. The lower 2.5 ft of wall and accessible door surfaces had 30-second integrated scans for each cell length, with the highest integrated measurement at 4 counts (Appendix E). The top of the concrete walls (ledge), launcher, and walls (up to 4 ft) were scanned with a Ludlum Model 43-89. The only remarkable finding was three closely located spots on the top of the concrete wall with 170, 170, and 190 cpm above cell 12. Removal with a paint brush was attempted, but the contamination appeared fixed. FIDLER scans of the launcher and top of concrete walls were unremarkable. The survey of concrete ledges in shelters 201, 203, 205, 207, 208, and 209 were accomplished in a similar manner as that of shelter 210. Three of the shelters did not have any remarkable findings. Of those with remarkable findings, 201 had three separate locations, with α -radiation count rates ranging from 31 to 53 cpm. Shelters 203 and 208 had single contaminated locations, with 36 and 66 cpm, respectively. The contamination had the characteristic of single particles or where a single particle dominated the response of the detector. While the contamination was in remote locations and provided negligible influence on overall surface contamination levels, abrasive removals were conducted in May 2009. Post-removal survey measurements were conducted and verified significant reduction in contamination levels. The survey forms are included in Appendix C. Figure 7-15 is a photograph of the contaminated ledge area in shelter 210. The only reasonable mechanisms for deposition of contamination on concrete ledges were from an initial airborne dispersion during the accident or resuspension from contaminated soil or other areas of contamination. No evidence of initial airborne dispersion of plutonium from the accident exists from any studies or restoration activities. Therefore, resuspension is the likely mechanism for deposition. The highest measurement among the eight was 190 cpm and is equivalent to about 450 pCi $^{239+240}\text{Pu}$ + ^{241}Am (380 pCi $^{239+240}\text{Pu}$), assuming a

detection efficiency of 0.189. Figure A-9 provides maximum $^{239+240}\text{PuO}_2$ particle activities versus aerodynamic equivalent diameters (AED). AED's are good predictors of respiratory tract deposition and suspendability as an aerosol. From the figure, a particle of this activity is suspendable if it has a non-spherical shape. From the figure, particles with a shape factor of 1.6 are suspendable for activities up to about 600 pCi. As such, if the detector response(s) for contamination identified on concrete ledge surfaces is predominantly the result of single particles, observed detector responses are within expected maximums for a resuspension deposition mechanism.



Figure 7-15. Photograph of Contaminated Concrete Ledge Area in Shelter 210.

7.9 Bunkers (208) Measurements. Table 7-7 contains a summary of measurements conducted on the two bunkers associated with shelter 208. Both manhole access metal flanges had locations of elevated FIDLER response, with the maximum about five time background response. This is not an unusual finding for this area on the site. The Cabrera final status survey effort included the identification and removal of surface-contaminated asphalt within the rectangular area encompassed by shelters, 208, 209, 213, and 214. It is a logical conclusion that in the initial accident response, fire and other response vehicles translocated contamination from the tires to the asphalt surface. Since the accident occurred during a warm period (June), asphalt would have had an oily surface aiding retention. It is a logical assumption that some contamination contained in the asphalt pavement surface may have been liberated by water, with some transport to the bunkers through the seams in the covers. Both shelters were filled with about 22 inches of water which, when sampled,

was clear. The respective analytical results for the each water sample were unremarkable, below the α -radiation screening level of 5 picocuries per liter (pCi/L) as specified in the Safe Drinking Water Act (SDWA). This is not unexpected, even for the power bunker where low levels of ^{241}Am were identified in sediment, as both the Am and Pu are expected to exist in fairly insoluble forms. Both bunker floors had limited quantity of sediments. More than an hour per shelter was spent scraping the floor with a remotely handled plastic sampling cup, with sample masses of only 80.5 and 57.1 g, respectfully, for the communication and power bunkers.

TABLE 7-8. Summary of Shelter 208 Bunker Measurements.

Bunker	Measurement/Sample	Findings	Sample Number
Communication	General	Water about 22 inches deep	NA
	FIDLER Scan	Spot on metal flange rim ~ 7k cpm	NA
	Water	Gross- α : 2.4 ± 1.4 pCi/L Gross- β : 12.5 ± 1.6 pCi/L	GN071486
	Floor Sediment	< 1.4 pCi/g $^{239+240}\text{Pu}$, 80.5 g	GS071499
Power	General	Water about 22 inches deep	NA
	FIDLER Scan	Three spots on metal flange: 4k – 5.5k cpm, ~ 5k on concrete bunker top	NA
	Water	Gross- α : 3.6 ± 1.5 pCi/L Gross- β : 8.5 ± 1.4 pCi/L	GN071485
	Floor Sediment	34.2 pCi/g $^{239+240}\text{Pu}$, 57.1 g	GS071500

7.10 ^{235}U Detections. Highly-enriched and depleted uranium are radiological co-contaminants at the site, though as noted earlier in this report, total uranium residual was estimated to be 469-fold lower than $^{238+239+240}\text{Pu}$ residuals. Debris and sediment samples analyzed by γ -spectroscopy were screened for ^{235}U content, consistent with screening protocols adopted during soil remediation operations. One sample had a reported ^{235}U concentration in excess of typical background, 0.79 ± 0.24 pCi/g. The sample, GS071491, was the debris removed from shelters 208 and 211 as part of discrete particle removals. Appendix D contains complete sample analysis reports.

7.11 Hydraulic Fluids and Water in Pits. A number of the pits in the shelter group 201, 203, 205, and 207 – 214 contained varying levels of water in one or both of the shelter launcher pits. Within a shelter, the main shelter (launcher pit) and equipment room pits are physically separated. Roof or door leaks are the only method of water intrusion for an individual pit. Some pits remained dry during precipitation events indicating intact roofs and door seals. For a few of the pits containing water, a thin film of red hydraulic fluid was present. During debris sampling in dry pits, evidence of hydraulic fluid on portions of the pit floors was observed, with some mixed debris. It was apparent that some of the pits once held water that had evaporated. Water and oils were removed from these launcher pits in 2009 by Cabrera Services.

8.0 Discussion

8.1 Comparison of Residual Concentrations for Continued Use Criterion.

8.1.1 General.

Table 8-1 contains acceptable α -radiation levels for surfaces. Four separate annual dose equivalent criterion were considered: 100 mrem (a public dose limit to controlled sources), 4 mrem (equivalent to the criterion established for soils for unrestricted use), 4 mrem, 30-year mean (equivalent to the criterion established for soils for unrestricted use, but averaged over 30 years), and the 15 mrem unrestricted use criterion in N.J.A.C. 7-29. The first three dose equivalent criterion were developed under three different occupational occupancy durations: 194 hour in a year ($\sim 10\%$ of a 2,000 hour work year) which was deemed a maximum under practical future use scenarios, and 50 % and 100 % occupancies, though deemed impractical. The N.J.A.C. criteria were based on a 100 % residential occupancy (8,760 hours in a year), though the shelters have neither an intended future use as residential structures nor could be used realistically in this manner. These criteria were simply scaled from other appropriate acceptable residual contamination levels, based only on changes in exposure duration and the dose-equivalent criterion. From the table, the N.J.A.C.-based criteria are a factor of 1.17 lower than that for 4 mrem in a year and 100 % occupational occupancy, 2,000 hours. For dose-equivalent level calculations with RESRAD-Build, two acceptable surface α -activity concentrations are listed: one column for 10 % removable fraction, the RESRAD-Build default parameter, and 2.4 %, the value measured in this survey. Release criteria are most appropriately based on a 2.4 % removable fraction, because it best represents actual site condition. The 10 % criteria are retained here for illustration purposes, as they were noted in workplan RESRAD-Build calculations (Rademacher et al. 2007). Rows of criterion for Reg. Guide 1.86 are provided for comparison purposes, though they were not considered most appropriate for future exposure scenarios.

Table 8-1 contains key survey findings. The in-situ α -radiation measurements, static or scanning, provide the best estimate of residual surface contamination among the measurements conducted, with support from the removable fraction assessment. For shelters that received scanning measurements of floor surfaces, the scanning measurement provides the best evaluation of final status, because of lower residual contamination post-sweeping. Among the shelters evaluated, shelter 210 has the greatest degree of residual contamination, with shelters 203, 208, or 209 being next in order, dependent on which survey data sets are compared. As such, most of the statistical comparisons of residual contamination to release criteria are made for shelter 210.

8.1.2. Average Net Residual Concentrations on Floors of Shelters. The lower rows of Table 8-1 contain summary survey findings. For the static grid measurements, summary data is taken from Table 7-5, while scanning data is from Table 7-6 and Appendix G. Net count rates were calculated by subtraction of background, based on the x-intercept of Figure 7-10, 13.4 ± 1.8 (1- σ) dpm/100 cm². Ninety percent confidence intervals were calculated using the combined uncertainties from the gross measurements and estimated background. The 90 % confidence interval provides an α -level of 0.05, the probability of a Type 1 error: “falsely rejecting the null hypothesis when it is true.” For the statistical tests conducted here, the null hypothesis is that “the site is contaminated in excess of

the release criterion.” The same α -level was used for evaluation of soils under the ROD. For the static grid measurements in shelter 210, the net average α -radiation residual was 71.5 ± 3.4 (1- σ) dpm/100 cm². This level is well below any of the criteria developed under RESRAD-Build, using a 2.4 % removable fraction. In addition, the net average residuals in shelter 209, 26.4 ± 3.3 (1- σ) dpm/100 cm², are below the same criteria. For the scanning grid measurements in shelter 210, the net average α -radiation residual was 31.0 ± 3.4 (1- σ) dpm/100 cm². This level is well below any of the criteria developed under RESRAD-Build, using a 2.4 % removable fraction, but about 30 % lower than the N.J.A.C. using a 10 % removable fraction.

8.1.3. Non-Parametric Tests. At the request of the State of New Jersey (Goodman 2009), the Wilcoxon Rank Sum (WRS) non-parametric test was conducted for two comparisons of residual contamination to acceptance criteria. Non-parametric tests are recommended for data sets that do not exhibit normality. For data sets where the measurement is not radionuclide-specific, as is the case for the in-situ α -radiation measurements, the WRS test is recommended (NRC 1997). Because a distinct background shelter was not evaluated, in discussion with the State of New Jersey, it was recommended that the data from shelter 214 be used for this purpose. Appendix K contains WRS tests for 181 and 44 dpm/100 cm² criteria, respectively for shelter 210 static and scanning α -radiation measurement data sets on floors. As noted above, the scanning data better represents actual final status, as the measurements were performed after an additional sweeping operation. The critical value for test cases was calculated with equation I.2 (page I-10) of MARSSIM (NRC 1997), where $m, n = 45, z = 1.645$, and a tied measurement correction was made in calculation of the critical value. The correction impacted the critical value by a value of less than one for both test cases. Both test cases passed the WRS test, lending to the conclusion that sufficient data exists to reject the null hypothesis. WRS tests were not conducted on the data of other shelters because the residual contamination levels were significantly lower, lending the same conclusion. No elevated measurement comparisons were completed because they have little meaning in the exposure modeling, as the vast majority of modeled dose equivalent is from the inhalation pathway.


8.1.4. Reg. Guide 1.86.

Reg. Guide 1.86 has three separate criteria for transuranics, as summarized in Table 8-1. Figure 8-1 contains a histogram of net α -radiation static measurements collected on the grids in the four shelters with the highest degree of residual contamination. The highest α -radiation residual concentration was 380 dpm/100 cm² from shelter 209, and represents the only static grid measurement above the Reg. Guide 1.86 “maximum concentration” limit of 300 dpm/100 cm², with the maximum measurement area being 100 cm². Biased static measurements were collected in areas identified by scanning measurements for having elevated residual contamination. A few of these measurements are summarized in Table 8-1. A few individual locations on the concrete ledge of shelter 210 had residuals in excess of 300 dpm/100 cm², while a location in the shelter’s pit was 1904 dpm/100 cm². The only areas identified with surface α -radiation contamination in excess of this criterion that remain are the three ledger locations in shelter 210.

Of the 693 wipe samples collected from the grids in shelters, only one wipe had an activity concentration greater than the removable limit, 20 dpm/100 cm². One biased wipe sample collected in shelter 203 had a concentration greater than the criterion, but this area was remediated. The highest average removable ²³⁹⁺²⁴⁰Pu + ²⁴¹Am among the shelters was 1.7 dpm/100 cm² (shelter 210).

TABLE 8-1. Summary Findings and Acceptable Levels for Surfaces.

Category		Conditions/Measurement	α -Activity (dpm/100 cm ²)	
			Removable Fraction	
			10 % (Default)	2.4 % (Measured)
Acceptable Surface α -Activity Concentration	AFI 48-148 (Occupational Use Scenario)	100 mrem in a year dose-equivalent (10% occupancy)	12,700	52,920
		100 mrem in a year dose-equivalent (50% occupancy)	2,540	10,580
		100 mrem in a year dose-equivalent (100% occupancy)	1,270	5,290
	ROD Dose Criteria (Occupational Use Scenario)	4 mrem in a year dose-equivalent (10% occupancy)	510	2,125
		4 mrem in a year dose-equivalent (50% occupancy)	100	425
		4 mrem in a year dose-equivalent (100% occupancy)	50	215
		4 mrem in a year dose-equivalent (30 year average, 10% occupancy)	1,010	4,210
		4 mrem in a year dose-equivalent (30 year average, 50% occupancy)	200	840
		4 mrem in a year dose-equivalent (30 year average, 100% occupancy)	100	420
	NJAC 7:29	15 mrem in a year dose-equivalent (100 % occupancy for resident)	44	181
	NRC Reg Guide 1.86	Average total (limited to 1 m ² averaging area)	100	
		Maximum total (limited to 100 cm ² averaging area)	300	
		Removable (limited to 100 cm ² averaging area)	20	
Removable α -Activity (wipes)	Highest (3), gross α -radiation (among 693 shelters grid samples)		29.2, 12.5, 6.4	
	Highest (2) biased gross α -radiation		39 (shelter 203)	7.0 (shelter 209 pit)
	Highest shelter average ²³⁹⁺²⁴⁰ Pu + ²⁴¹ Am (among 45 grid composite)		1.7	
Static α -Radiation (Grid Surveys)	Average (Net), Shelter 210 [highest shelter, Table 7-5]		85 (72, 90 % CI: 66 – 77)	
	Average (Net), Shelter 209 [2nd highest shelter, Table 7-5]		40 (26, 90 % CI: 21 – 32)	
	Highest measurement (shelter 209, Table 7-5)		353	
Scanning α -Radiation (Grid Surveys)	Shelter 210, highest average shelter, Table 7-6 (Net)		45 (31, 90 % CI: 25 – 37)	
	Shelter 203 (2nd highest average shelter, Table 7-6)		19 (5.5, 90 % CI: 1.7 – 7.7)	
	Highest measured location (shelter 210, pit)		1904	
	Highest measured residual (shelter 210, concrete ledge)		804	
α -Radiation (FIDLER)*		Partial remedial action, cell 44/47, shelter 207	6,770	

* FIDLER identified contamination  Remediated

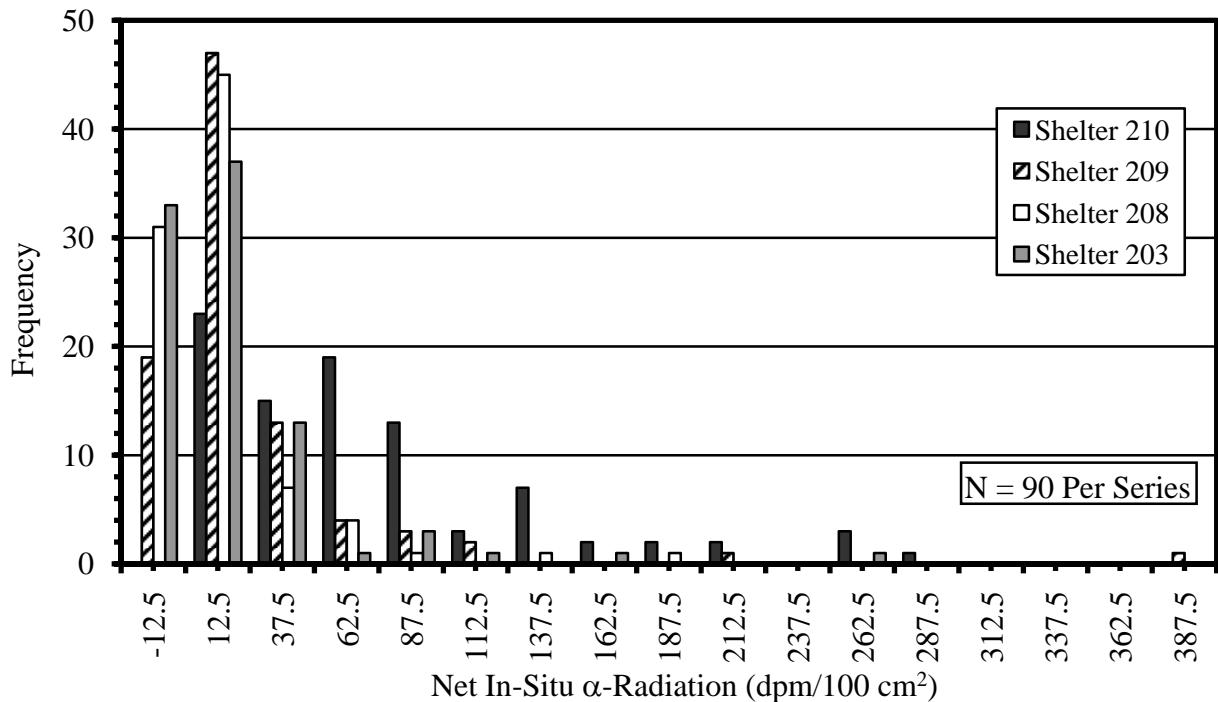


Figure 8-1. Histogram of Net In-situ α -Radiation Measurements for Shelters 210, 209, 208, 203 Grid Measurements on Floors (Background ~ 13 dpm/100 cm²).

Overall, the shelters meet the average concentrations specified in Reg. Guide 1.86; however, the surveys were not designed to meet strict requirements of the guide. For example, fixed contamination is limited to 300 dpm/100 cm², averaged over areas less than 100 cm². The Ludlum 43-89 α/β -probe has a 125 cm² entrance window. Wipe samples were collected over 300 cm² areas purposely to increase the sensitivity of the method, though the guide does not allow averaging removable contamination over areas greater than 100 cm². Last, scanning measurements were integrated over grid square slightly greater than 2 m² to retain a reasonable number of measurement locations, though average fixed contamination concentrations are limited to averaging over areas less than 1 m². Based on RESRAD-Build modeling, the area averaging limitations specified in the guide do not have practical application to anticipated exposures.

8.1.5 Removable Fraction. The removable fraction of surface contamination is a key factor in the RESRAD-Build dose modeling for ²³⁹⁺²⁴⁰Pu + ²⁴¹Am surface contaminants, with acceptable surface concentrations inversely proportional to the removable fraction. The best estimate of the removable fraction, 2.4 % [± 0.3 , 90 % confidence interval], is based on the 450 paired systematic wipes and in-situ, static α -radiation measurements (Figure 7-8). One elevated area provided an estimated fraction of 9.6 %, however this was a single location in an equipment room. In addition, equipment rooms had a significantly lower degree of radiological impact, as evidenced by the small amount of bulk floor debris and ²⁴¹Am concentrations in the debris. An assessment of five wipe samples from the communication bunker of shelter 204 during the RI/FS (Table A-4) provided an estimated removable fraction of 2.8 %, closer to that predicted from the regression analysis of 450 measured locations. Overall, the strength of the data supports use of a removable fraction much lower than the

RESRAD-Build default of 10 %, making the acceptable residual concentrations four-fold higher than those proposed in the workplan, and listed in Table B-2.

8.1.6 Retrospective Power Analysis. The State of New Jersey in review of the survey data stated that “there is no statistical basis for determining that the missile shelters meet any release criteria,” and suggested using “calculations as per MARSSIM that demonstrates sufficient samples were collected to demonstrate that the shelters meet the release criterion” (Goodman 2009). Two important points are made in this regard. First, the scanning surveys formed the basis for clearance of the shelters with the greatest degree of residual contamination. While, 45 individual rectangular areas were individually scanned per shelter, the mean and its associated uncertainty are more important indices for clearance, where total scanning time affects the overall uncertainty in the estimate. As discussed earlier, for this contaminant on interior building surfaces, areas of elevated contamination have insignificant bearing on modelled risks. Second, as noted by MARSSIM, “When the null hypothesis is rejected (as was the case here), the power of the test becomes a somewhat moot question” (NRC 1997).

8.2 Comparison of Residual Concentrations to Shelter Demolition Criterion.

8.2.1 General. On a long-term basis, the sheet metal roofs of the shelters (and other structures on the site) will continue to rust and deteriorate. The concrete foundations and side walls of the 100- and 200-series main shelters are constructed of reinforced concrete and would likely remain structurally sound for a substantial period of time. The side walls of the 300-series shelters are constructed of pre-formed concrete slabs, with longevity dependent on that of metal structural supports. Without the protection of roofs, concrete floor surfaces will deteriorate more rapidly, with residual contamination in concrete surfaces being spread by water and wind transport to adjacent soils. Due to relatively low levels of contamination, this process provides insignificant impact to residuals in soils. This is the current condition of shelters 202 and 206, which had steel roofs, hydraulic mechanisms, and concrete walls removed during the 2002 – 2004 remedial action. The launchers and pits effectively reduced legitimate storage space in the 100- and 200-series by 20 % and reduce it by 40 % in the 300-series shelters. Without some institutional controls, open pits present a falling hazard, as they are about 42 and 72 inches deep in the main and equipment rooms of the shelters, respectively.

8.2.2 Demolition. In the long-term, demolition of the metal and concrete components of the shelters is a likely scenario. In the partial demolition of shelters 202 and 206, metals were radiologically screened and cleared under Reg. Guide 1.86 criteria. Some metals were screened during this survey effort (i.e., doors and launcher of shelter 210) with unremarkable findings, except for surface contamination on the metal flanges to shelter 208 bunkers. With the exception of shelter 204, metal surfaces of shelters evaluated during the RI/FS were not contaminated. This is logical since there isn’t any evidence of significant airborne transport. Additionally, metal surfaces are not porous, unlike concrete, and are unlikely to readily retain contamination. With the exception of the gridded steel pit covers, there is very little steel in the shelters in proximity to floor surfaces except for shelter doors which are vertically-oriented and unlikely to readily retain surface debris. The lower surfaces of doors were screened in shelter 210 with unremarkable findings.

8.2.3 Evaluation. Concrete rubble can serve a multitude of purposes including road-bed gravel fill, aggregate for new concrete, rip-rap, ground fill, etc. Any of these uses would effectively mix any surface contamination with uncontaminated portions of the bulk concrete. This is a logical evaluation criterion since deterioration of the concrete rubble over time would become part of the soil matrix. Contamination retained (fixed) in the surface of concrete presents negligible risks, since the only significant health risks for $^{239+240}\text{Pu}$ and ^{241}Am are from internal deposition (e.g., inhalation, ingestion). Table B-1 provides a plot of measured surface activity concentration vs. the thickness required to reduce surface contamination to the $^{239+240}\text{Pu}$ remediation criterion for soils, 8 pCi/g. For this evaluation, surface α -radiation measurements provide a reasonable estimate of surface contamination since the $^{239+240}\text{Pu}$ and ^{241}Am contaminant is insoluble and retained in the concrete surface. It is necessary, however, to correct for contamination not detectable by surface α -radiation measurements. Two sets of measurements can be used for this assessment: the abrasive removal tests in shelter 210 and the elevated contamination removal in shelter 209. The abrasive removal test provided a portable α -radiation instrument detectable fraction of 57 %, while for the removal in shelter 209 it was estimated at 13 %. The former is considered a more appropriate estimate than the latter for a number of reasons. The location in shelter 209 had minor depressions in the concrete with rough areas that may have contributed to the retention of contamination and dirt, but was unusual compared to the generally smooth concrete surfaces in main shelter rooms (100- and 200-series). Shelter 210 had the highest average in-situ α -radiation concentration and removable activity among composited wipes, and was the shelter evaluated by abrasive tests. Using the factor from this test, the estimated total $^{239+240}\text{Pu}$ and ^{241}Am concentration in the surface concrete of shelter 210 is 149 dpm/100 cm² (85 dpm/100 cm²/0.57), prior to the second sweeping operation. From Table B-1, the average thickness is 0.37 millimeters (mm). [Note: ^{241}Am is included in this calculation, though ^{241}Am was not included in the soil criterion developed in the RI/FS (Earth Tech 1992)]. Assuming the entire floor surface of the shelter is contaminated (i.e., including pit floors), the total contamination is 1.13 μCi , which is equivalent to a 0.63 m² area contaminated at 8 pCi/g, assuming a depth of 15 cm and 1.5 g/cm³ density. In summary, residual surface contamination in shelter 210 is low in total activity, and when averaged over the top 0.37 mm, is equivalent to the release criterion of soils. Since the entire activity from the surface of shelter 210 is equivalent to a fraction of a square meter of contaminated soil at the criterion, EMC is not a necessary consideration. The three isolated areas on the top of one of the walls of shelter 210 have an estimated total activity of 1.3 nCi, based on a detection efficiency of 0.189, and represent 2 % of that contained in the floor surface. The other shelters evaluated are significantly lower than shelter 210 with the next highest having less than one-half the surface contamination of shelter 210. Rubble from radiologically-impacted concrete surfaces is acceptable for on-site dispositions, since the risk to future site residents are well within those modeled for contaminated soils under the ROD.

8.2.4 MARSSIM vs. MARSAME Survey Methodology. The State of New Jersey, in evaluation of the work plan, noted that draft Multi-Agency Radiation Survey and Assessment of Materials and Equipment (MARSAME) protocols should be used for evaluation of residual radioactivity on materials like concrete and metals (NRC 2006). MARSAME was developed as a supplement to MARSSIM to overcome the surface soil and building surface limitation of MARSSIM. In the case of surface contamination, however, evaluations such as those performed here, MARSAME reverts to MARSSIM survey methodologies per ¶ 7.3, “Note that if the buildings were still intact, they [the concrete floors] could be surveyed using a MARSSIM survey.” In the case of concrete, MARSAME -unique methods are applicable to activation of concrete matrix or steel rebar, or cases where a

contaminant can diffuse the matrix, like tritium. In contrast, the $^{239+240}\text{Pu}$ and ^{241}Am released during the accident was hot-fired, leaving the material in a very insoluble form that greatly limited its ability to penetrate the surface of concrete or other solid materials.

8.3 Shelter 210. Shelter 210 had the highest fixed surface contamination concentration, based on in-situ α -radiation measurements, and the highest removable, based on composite wipes. Outside of shelter 204, this shelter had the greatest number of wipe samples greater than 20 dpm/100 cm², as assessed during the RI/FS (Figure A-6). Therefore, this shelter had a greater expectation for residual contamination among the shelters evaluated, with 209 and 205 to a lesser degree based on RI/FS wipe sample results. The RI/FS did not speculate on the mechanism for contamination of shelter interiors, except for shelter 204 which was impacted by the fire. From the RI/FS, 2002 – 2004 remediation effort, and recent Cabrera work, there is no evidence of significant airborne transport. It is clear from the analysis of loose floor debris that some interior contamination was transported by the wind and foot traffic. It is likely that this was a continuous process over the interceding years, with proximity to uncovered contaminated soil areas providing some correlation to debris concentration. This is evidenced by the high $^{239+240}\text{Pu}$ concentrations in shelters 203, 205, 207, 208, 209, and 210. During the 2002 – 2004 remediation, the front portion of shelter 210 was used to handle soil samples and calibrate FIDLERs with a box filled with contaminated soils. The box was six inches deep, square, with three feet per side. The box was located in the front of the shelter near the crack in the floor, where elevated FIDLER response was noted. Also, the three areas on the top of the concrete wall of this shelter (adjacent to cell 12) were in close proximity to the box. It is a reasonable assumption that the handling of loose contaminated soils may have contributed to the greater degree of contamination in shelter 210 than the others.

8.4 Discrete Particles. Numerous locations in shelters evaluated had locations with elevated FIDLER response. Closer evaluation and mitigation attributed the increased FIDLER response to individual particles. Particle $^{239+240}\text{Pu}$ activities were estimated in the range of tens to hundreds of nanoCuries. Figure A-8 contains a plot of maximum particle activity versus aerodynamic equivalent diameter for $^{239+240}\text{PuO}_2$. The plot is based on spherical particles, but important respiratory and suspension cut-off points are also listed with respect to particles with more oblong dimensions, shape factor of 1.6. For example, 30 μm aerodynamic equivalent diameter particles are listed as a cut-off for airborne suspendability, with maximum $^{239+240}\text{Pu}$ activities of 300 and 605 pCi, respectively for spherical and oblong (shape correction factor = 1.6) particles, based on the assumption that the particles are pure plutonium dioxide. Therefore, particles in the nanoCurie activity range are not expected to be suspendable and not an inhalation exposure risk. Ingestion risks remain, but are significantly lower than inhalation risk and that modeled by the RI/FS. The RI/FS assumed ingestion exposure were from soluble forms of plutonium [i.e., Class D using International Commission on Radiological Protection (ICRP) Report 30 dose-conversion factors], while the very discrete nature of the particles infers they have not been altered to a significant degree since formation and are relatively insoluble. The relatively insoluble forms have significantly lower dose-conversion factors than Class D chemical forms.

8.5 Bunkers. Debris in the power bunker of shelter 208 had $^{239+240}\text{Pu}$ activity concentrations in excess of the soils criterion; however, it was a struggle during sampling to acquire the 57 g sample. Residual mass in the bunker is expected to be very low and of little consequence as an on-site demolition debris. In contrast to the shelters, the bunkers have no foreseeable use. The standing

water precluded a screen of the bunker floor with a FIDLER detector. A more thorough evaluation of bunkers was accomplished by Cabrera Services in 2009, with results detailed in other documents.

8.6 Shelters 118, 218, and 222. Shelters 118, 218, and 222 were used by Cabrera Services to store a B-25 box and super sacks with contaminated soils resulting from characterization work in 2005 and 2006, and the 2007 final status survey. The waste was contained during storage, precluding reasonable potential for contamination of shelter interiors. The waste was packaged for transport in roll-off containers on 28 November 2007. The floors of the shelters were swept with the debris added to one of the waste containers. FIDLER scans and representative in-situ α - and β -radiation measurements along with wipe sampling were performed at select locations on 29 November. The survey results were unremarkable and included in the Cabrera Services final status report for soils.

8.7 Survey Findings vs. Pre-Survey Expectations. Table A-5 contains a listing of expected radiological impacts for various buildings from the work plan. The primary factors for expected impact was proximity to contaminated areas and the former location of shelter 204, and findings from the RI/FS. During the scoping survey, evaluation of surface debris and FIDLER scanning surveys provided some indication of relative impact. Building 23 (decontamination) was screened during the scoping survey, though there was neither evidence of contaminated debris on the floors, elevated FIDLER response, nor contamination in soils in the vicinity of the building. It is doubtful that this building was used during the accident response. This building was likely built for decontamination of personnel from liquid missile fuel releases rather than radiological contaminants. Storage of wastes in the shelters did not correlate into elevated residual surface contaminants, because stored materials were contained. Shelters 212 and 214 were used to store waste or investigation equipment, but had near background residual surface contaminants. Additionally, shelters 118, 218, and 222 were more recently used to store waste, but FIDLER, in-situ static α -radiation measurements, and α -radiation levels on wipes were consistent with background, based on Cabrera Services, Inc. surveys. Many small areas of isolated soil contamination were identified outside of those areas, as contaminated by a water transport mechanism. Many were located along road edges, around the transportation building, building 21, and building 27. The potential for cross-contamination to adjacent buildings is low as compared to the shelters in the vicinity of primary contaminated area because of the disparity in contaminated area size and concentrations. Also, because the contaminant is relatively insoluble, it is not readily retained in concrete surfaces.

9.0 Conclusions.

9.1 General.

Missile shelters had varying degrees of radiological impact dependent on proximity to areas contaminated from the 1960 accident and were comparative to findings from the RI/FS. Remedial actions conducted on shelters 202, 204, and 206, and their associated bunkers during actions in the primary contaminated areas between 2002 and 2004 met recommendations of the RI/FS and ROD.

Based on DERP (DoD 2008), the RI/FS, and surveys conducted by this survey, only minor residual contamination exists in a few shelters, but does not present imminent threat to public health, welfare, or the environment. As such, the CERCLA actions conducted to mitigate radiological contaminants have no bearing on remaining structures.

Contamination in floor debris was easily removed from the floor surfaces, with a few locations having discrete particles fixed to floor surfaces and cracks. The abrasive action of sweeping with a bristle broom reduced fixed contamination levels for every shelter that had two detailed α -radiation surveys. For the debris removed in one shelter, the estimated activity of a single discrete particle was greater than that of the activity of other debris. Though the debris removed from many shelters in proximity to the former location of shelter 204 had $^{239+240}\text{Pu}$ activity concentrations greater than the criterion established for soils, total masses were low and a debris to soil transfer scenario would afford concentrations well below DCGL_{EMC} levels established for soils.

9.2 Future Use of Shelters. Some of the shelters have been used for storage of equipment and material since the site was closed. Survey of ten shelters in the proximity of the former shelter 204 had radiological impacts below a dose-equivalent of 4 mrem per year, based on a 10 (194 hours in a year), 50, and 100 % occupancies, and a 2.4 % removable fraction under RESRAD-Build modeling. The 4 mrem per year criteria was the basis for residual acceptable $^{239+240}\text{Pu}$ activity concentrations in soils. Since the shelters are not suitable as dwellings, modeling was not conducted for a residence under this criterion. An evaluation of residential use was made under the N.J.A.C. 7:29 criterion of 15 mrem in a year for unrestricted use, though implausible. Residuals were well below this criterion. Other shelters had lower potential for residual contamination, based on greater distances from the primary contamination caused by the accident, and subsequently have lower potential for contamination. Furthermore, due to other hazards on the site, including those associated structural integrity of buildings, the Air Force has no intent on unrestricted release of the site without some structure demolition.

9.3 Reg. Guide 1.86 and Other Criteria. Reg. Guide 1.86 was recommended in the RI/FS for screening contaminated materials associated with the actions recommended under the ROD in lieu of risk-based criteria that were not established at that time. Reg. Guide 1.86 criteria are not applicable to radiological risks from low-level surface contaminants in the shelters, based on realistic future uses. Furthermore, the criteria of the guide are not applicable to risk-based releases of shelters in unrealistic future scenarios, such as residential use. Average residual surface concentrations in the shelters evaluated meet Reg. Guide concentrations, based on a reasonable interpretation of the criteria. Further remedial actions on areas with higher levels of residual contamination would not produce any significant risk reduction, based on realistic future uses. Based on the ResRad-Build dose equivalent-based modeling presented in this report, the residual contamination does not present a health risk in realistic future uses.

9.4 Shelter Demolition.

Likely future disposition of the shelters is demolition. Among the ten shelters in proximity to the former location of shelter 204, shelter 210 had the greatest degree of surface contamination. Demolition and on-site use of concrete rubble from shelter 210 easily meets the soils criterion established in the RI/FS, and is deemed an acceptable for this type of disposition. Only shelters 203, 208, 209, and 210, had residuals readily differentiable from background (see Figure 7-8 and Table 7-5).

The enhanced natural radioactivity concentrations associated with the concrete block of numerous facility structures dwarfs the minor $^{239+240}\text{Pu}$ and ^{241}Am residuals on the concrete surface in a

demolition scenario. While not analyzed here, it likely produces higher radiation doses to potential building users than shelters with poured concrete floors containing minor $^{239+240}\text{Pu}$ and ^{241}Am .

9.5 Shelter Pits. Residual surface contamination in pits was generally lower than that for the floors associated with individual shelters. Pits are not expected to be accessed routinely by personnel using the shelters for storage. As such, the conclusion made for floors are applicable to pit surfaces.

9.6 Other Buildings and Other Shelters. Other buildings and other shelters had a lesser degree of radiological screening than the ten shelters in close proximity to the former location of shelter 204. Five other shelters had more detailed floor surface evaluations with unremarkable finding. Based on measurements in these shelters, findings of the RI/FS, and proximity to residual soil contamination, these buildings and structures have much lower potential for contamination compared to the shelters in close proximity to the primary contamination from the accident.

10.0 Recommendations

10.1 Radiological Controls. No radiological controls are recommended for the continued use of shelters in support of site activities. Future site workers should be categorized as non-radiation workers. Consistent with the MARSSIM approach, no additional monitoring is recommended for other buildings and structures.

10.2 Concrete. For the concrete demolition scenario, no controls are recommended. Because the surfaces of concrete in shelters 203, 208, 209, and 210 had distinguishable levels of contamination, off-site disposition options should be weighed against unwarranted health concerns by members of the public or landowners over the source of the contamination. An on-site disposition option for concrete from these shelters may be preferable.

10.3 Metals. Based on data from the RI/FS (Earth Tech 1992), the restoration of primary contaminated areas (Duratek 2006), and screenings conducted in this report, no controls are recommended for metals from a radiological standpoint.

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Appendix A

Historical Data

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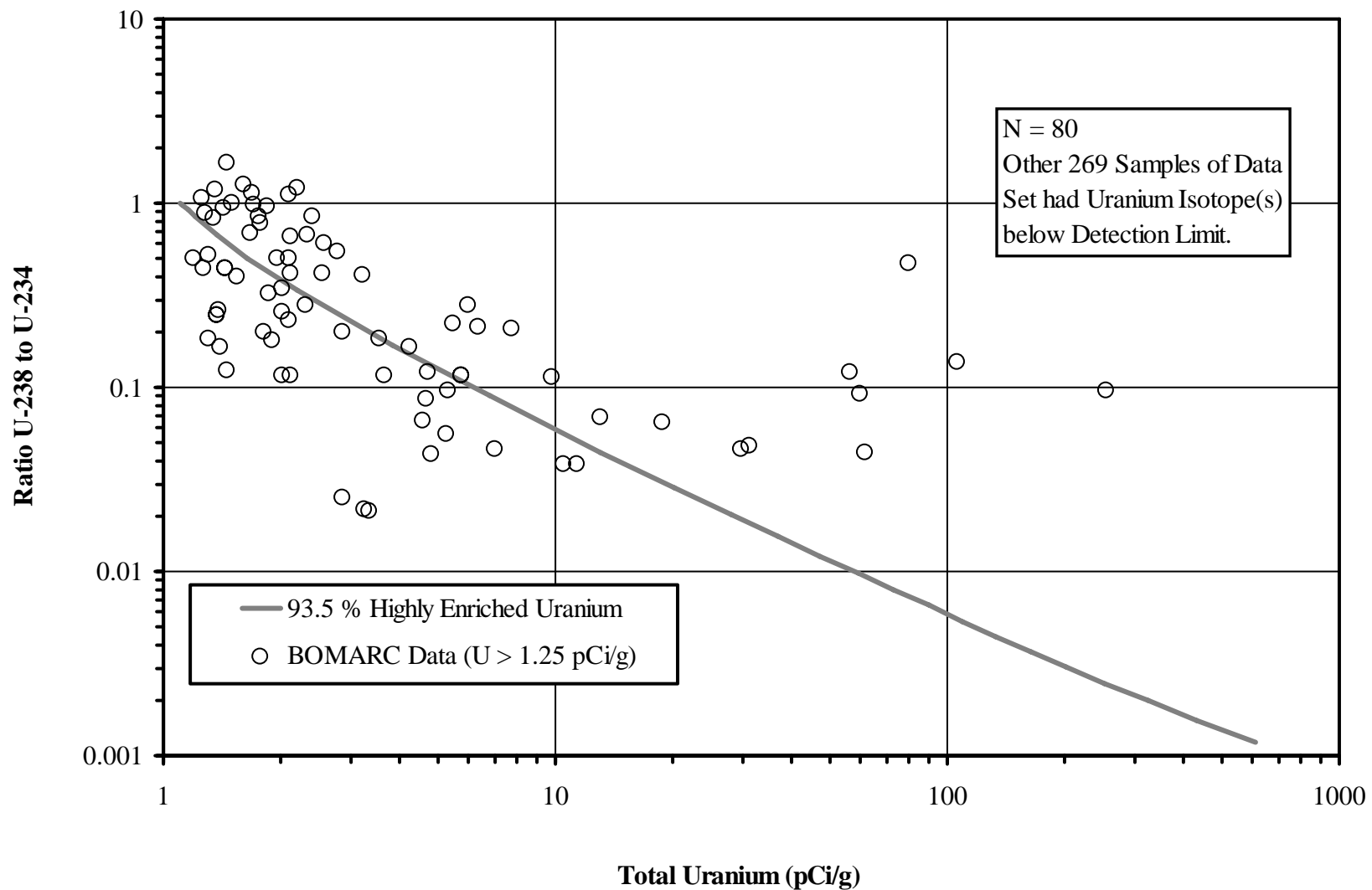


Figure A-1. ^{238}U to ^{234}U Ratios for Various Total Uranium Concentrations (Background = 1.1 pCi/g) Enriched Uranium Contaminant at BOMARC [Data from 1997 OHM Remediation] (Rademacher 1999c).

TABLE A-1. Isotopic Composition of WGP in BOMARC Weapon Based on Los Alamos National Laboratory Estimates and Soil Analyses for 1958 (Rademacher 2001).

Isotope	Mass Percent	α -Activity Percent	Radiological Half-life (y)
Pu-238	0.0099	2.3	87.74
Pu-239	93.7	80.1	24,110
Pu-240	5.6	17.6	6,560
Pu-241	0.47	Not Applicable	14.35
Pu-242	Negligible	Negligible	376,000

TABLE A-2. Major Radiation Emissions of WGP Constituents (Scheien 1992).

Radionuclide	α -Particle Energies (MeV) & Frequency	β -Particle Energies (MeV) & Frequency	Photon Energies (MeV) & Frequency
Pu-239	5.155 (0.733) 5.143 (0.151) 5.105 (0.115)	None	0.113 (0.0005) 0.014 (0.044)
Pu-240	5.168 (0.735) 5.123 (0.264)	None	0.054 (0.0005) 0.014 (0.11)
Pu-241	None	0.021 (1.00)	None
Am-241	5.486 (0.852) 5.443 (0.128) 5.388 (0.014)	None	0.014 (0.427) 0.0595 (0.359) 0.026 (0.024)

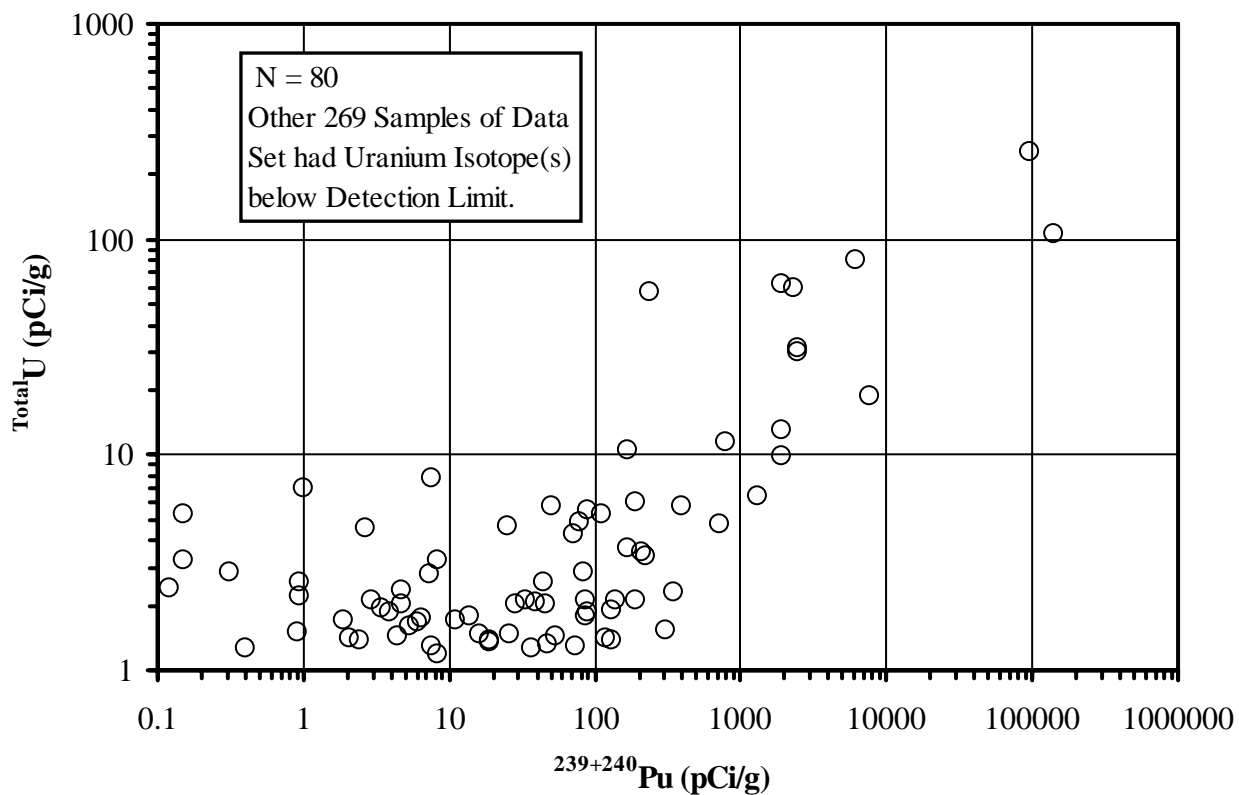


Figure A-2. Alpha Spectroscopy Data from 1997 Characterization (OHM 1998).

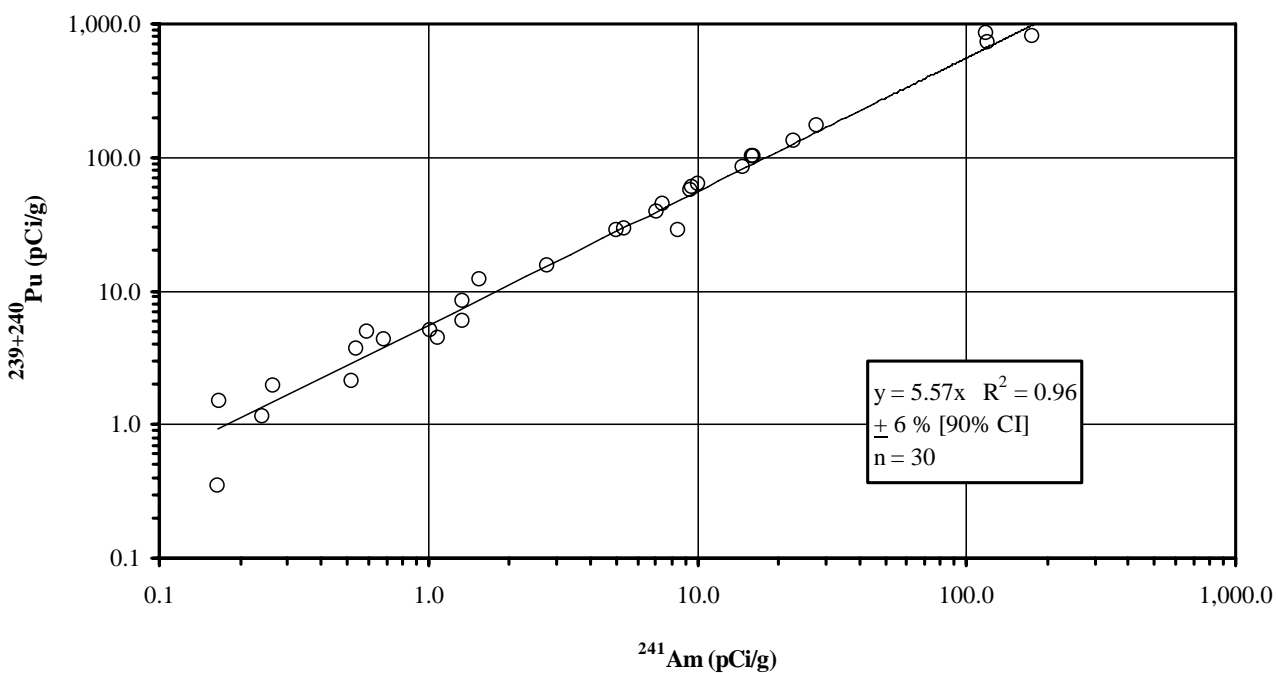


Figure A-3. $^{239+240}\text{Pu}$ vs. ^{241}Am α -Spectroscopy [Data from Duratek (2006)].

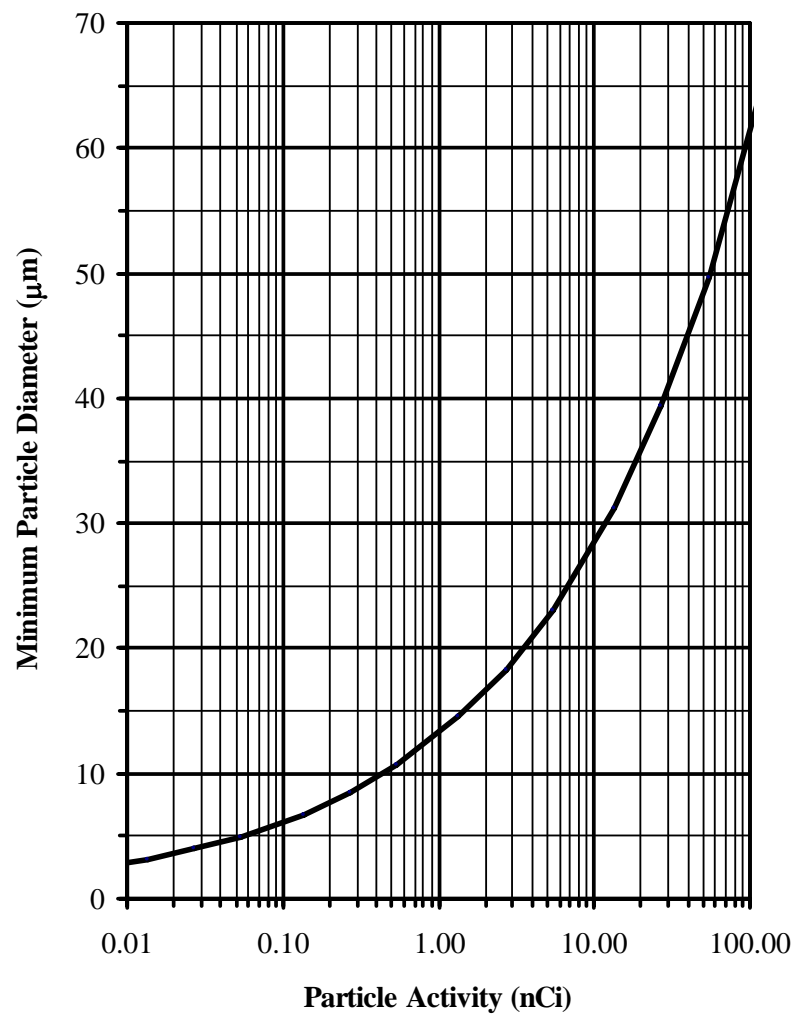


Figure A-4. Minimum $^{239+240}\text{PuO}_2$ Particle Diameter, Assuming Spherical, and $\rho = 11.5 \text{ g/cm}^3$ (Low Range).

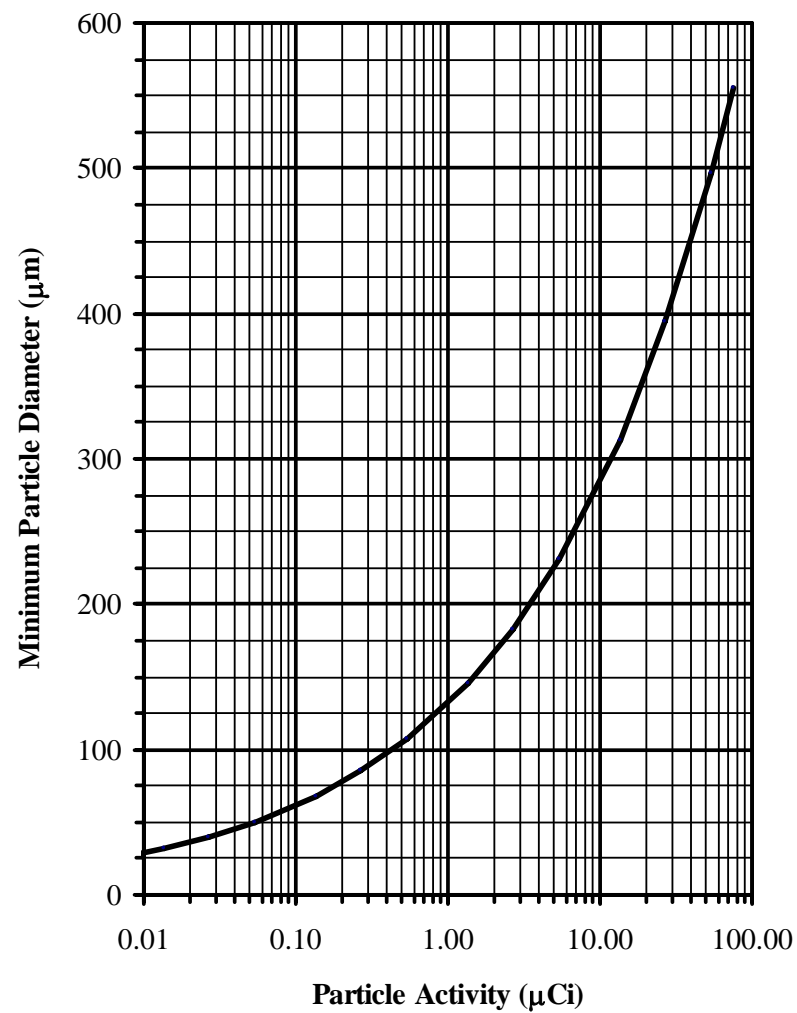
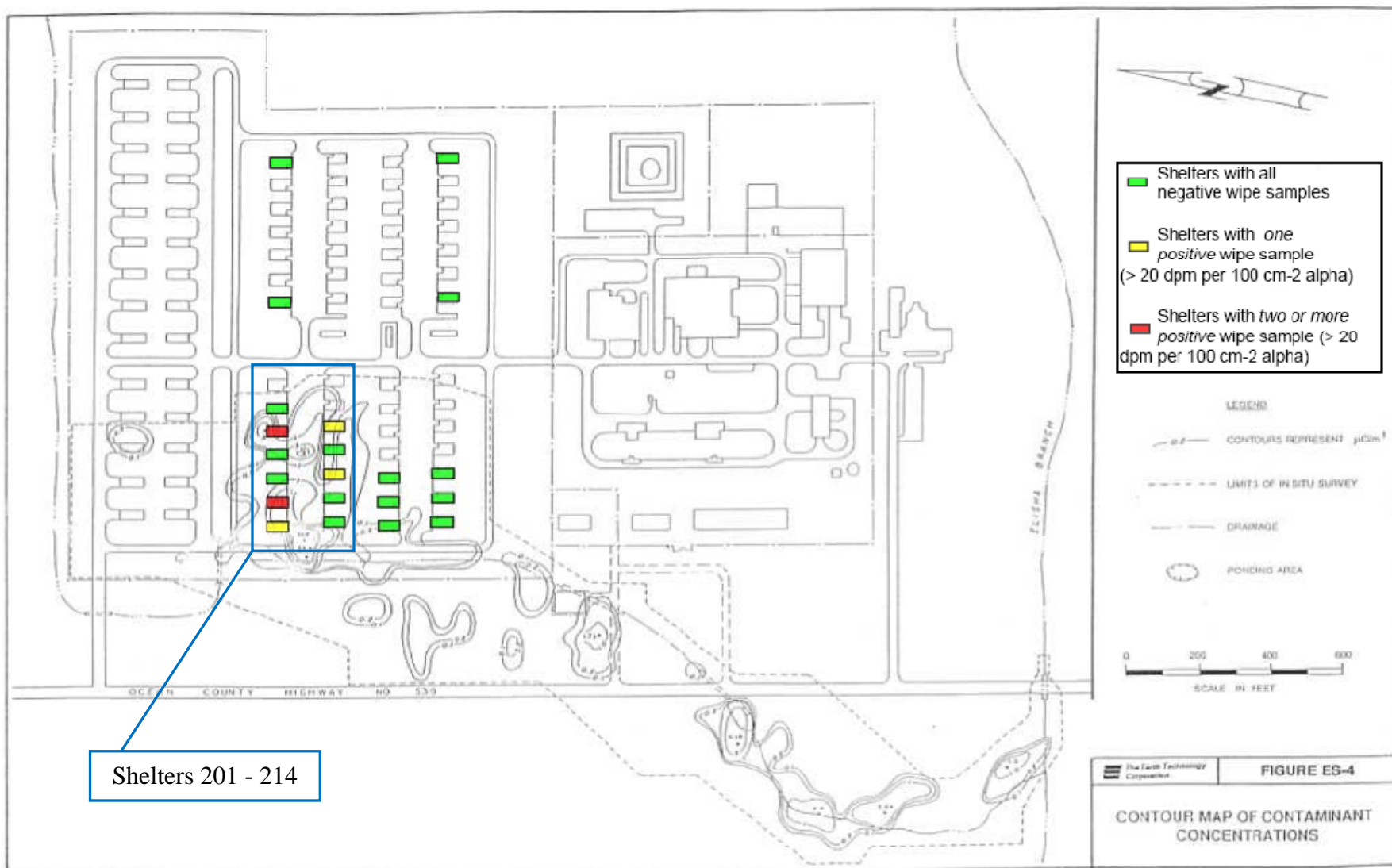


Figure A-5. Minimum $^{239+240}\text{PuO}_2$ Particle Diameter, Assuming Spherical, and $\rho = 11.5 \text{ g/cm}^3$ (High Range).



ES-11

Figure A-6. Modified Figure ES-4 from RI/FS (Earth Tech 1992).

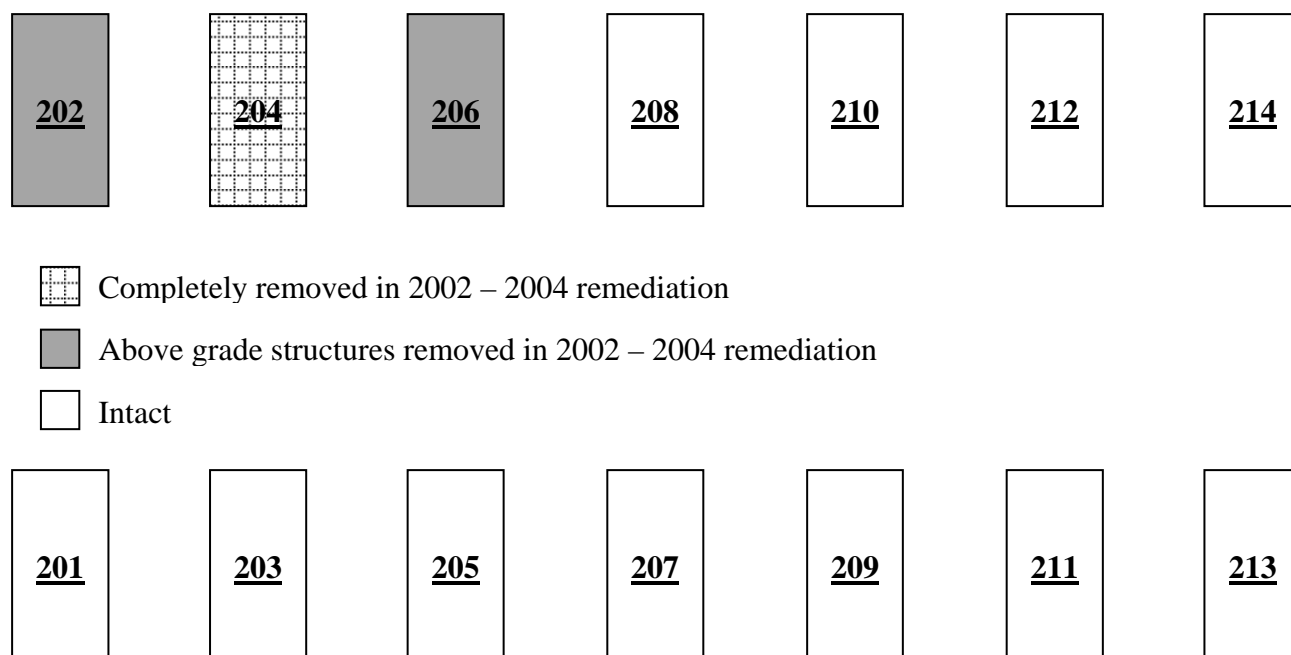


Figure A-7. Detail of Locations of Shelters in Proximity to Shelter 204.

TABLE A-3. Eberline PAC-4G Elevated Results for Shelter Interior Surfaces (Fixed+Removable), [From Table 4-13, RI/FS (Earth Tech 1992)].

Shelter Number	Highest Net ²³⁹⁺²⁴⁰ Pu Results (dpm/100 cm ²)									
	1	2	3	4	5	6	7	8	9	10
101	68	44								
102	68	44								
103	68	44	20							
104	92	68	44	20	20					
105	68	20								
106	140	68	68	44	44	20				
127	283	188	164	116	116	116	92	92	68	44
201	116	116	92	68	44	44	44	20		
202	267	212	164	164	140	92	92	92	92	68
203	68	20	20							
204	47,780	2,106	2,011	718	412	407	407	383	311	215
	119	110	96	72	72	48	48	24		
205	116	92	68	44	20	20				
206	212	164	164	92	68	68	44	44	20	
216	331	236	188	92	92	92	92	92	68	68
Lower Limit of Detection (LLD) = 192 dpm/100 cm ² (All but Shelter 204)										
Lower Limit of Detection (LLD) = 85 dpm/100 cm ² (Shelter 204)										
	Values above 100 dpm/100 cm ² and LLD									

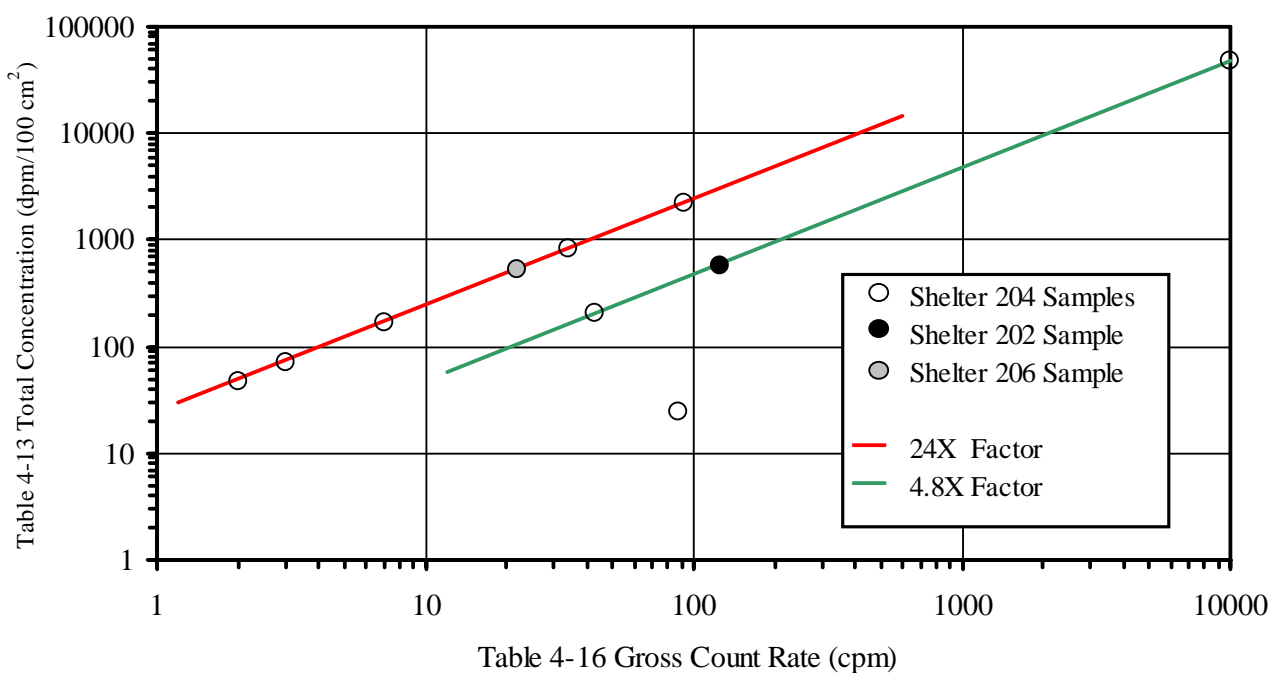


Figure A-8. Scatterplot of Calculated Gross Contamination Concentration (Table 4-13) vs. Reported Instrument Count Rate (Table 4-16) from RI/FS (Earth Tech 1992).

TABLE A-4. Wipe and In-Situ α -Radiation Measurements of Communication Bunker [Data from Table 4-18, RI/FS, (Earth Tech 1992)].

Sample Number	PAC-4G Count Rate (cpm)	Ludlum Model 2000 Count Rate on Wipe Sample (cpm)	Removable Fraction*
204-WP-C58-001	7,000	167	0.024
204-WP-C59-001	4,000	165	0.041
204-WP-C60-001	80,000	2,329	0.029
204-WP-C61-001	80,000	1,958	0.025
204-WP-C62-001	1,500	184	0.012
Mean (Weighted to PAC-4G Count Rate)			0.028

*Assumes assessed areas and calibration factors are roughly equivalent.

TABLE A-5. Summary of Expected Radiological Impact and Potential for BOMARC Structures Based on Historical Data.

Facility Number	Structure Type	Potential Transport		Expected Degree of Impact (If Impacted)	Document Noting Site
		Mechanism	Likelihood		
201	Missile Shelter	Fire-fighting water	Possible	Low	RI/FS (1992)
203	Missile Shelter	Fire-fighting water	Possible	Low	RI/FS (1992)
205	Missile Shelter	Fire-fighting water	Possible	Low	RI/FS (1992)
207	Missile Shelter	Site activities post accident period	Unlikely	Very Low	RI/FS (1992)
208	Missile Shelter	Adjacent to site remediation	Unlikely	Very Low	RI/FS (1992)
209	Missile Shelter	Site activities post accident period	Unlikely	Very Low	RI/FS (1992)
210	Missile Shelter	Waste or investigation equipment storage	Possible	Low	RI/FS (1992)
212	Missile Shelter	Waste or investigation equipment storage	Possible	Low	RI/FS (1992)
214	Missile Shelter	Waste or investigation equipment storage	Possible	Low	RI/FS (1992)
216	Missile Shelter	Site activities post accident period	Possible	Low	RI/FS (1992)
213	Missile Shelter	Waste or investigation equipment storage	Possible	Low	RI/FS (1992)
118	Missile Shelter	Waste or investigation equipment storage	Possible	Very Low	Cabrera (2005)
158	Restroom	Potential use during accident response	Possible	Low	Cabrera (2005)
27	Security Building	Use during accident response	Possible	Low	Cabrera (2005)
28	Firestation	Use during accident response	Possible	Low	NST (2006)
T40	Used 2002-2004	Use during 2002-2004 Remediation	Possible	Very Low	Duratek (2005)
201 – 208	Power/Comm. Bunkers	Fire-fighting water	Possible	Low	NST (2006)
209 – 214	Power/Comm. Bunkers	Fire-fighting water	Very Unlikely	Very Low	NST (2006)
158	Septic Tank	Use during accident response	Unlikely	Low	Cabrera (2005)
28	Septic Tank/Drain	Use during accident response	Unlikely	Low	NST (2006)
Others	Power/Comm. Bunkers	Site activities post accident period	Highly Unlikely	Extremely Low	Cabrera (2005)

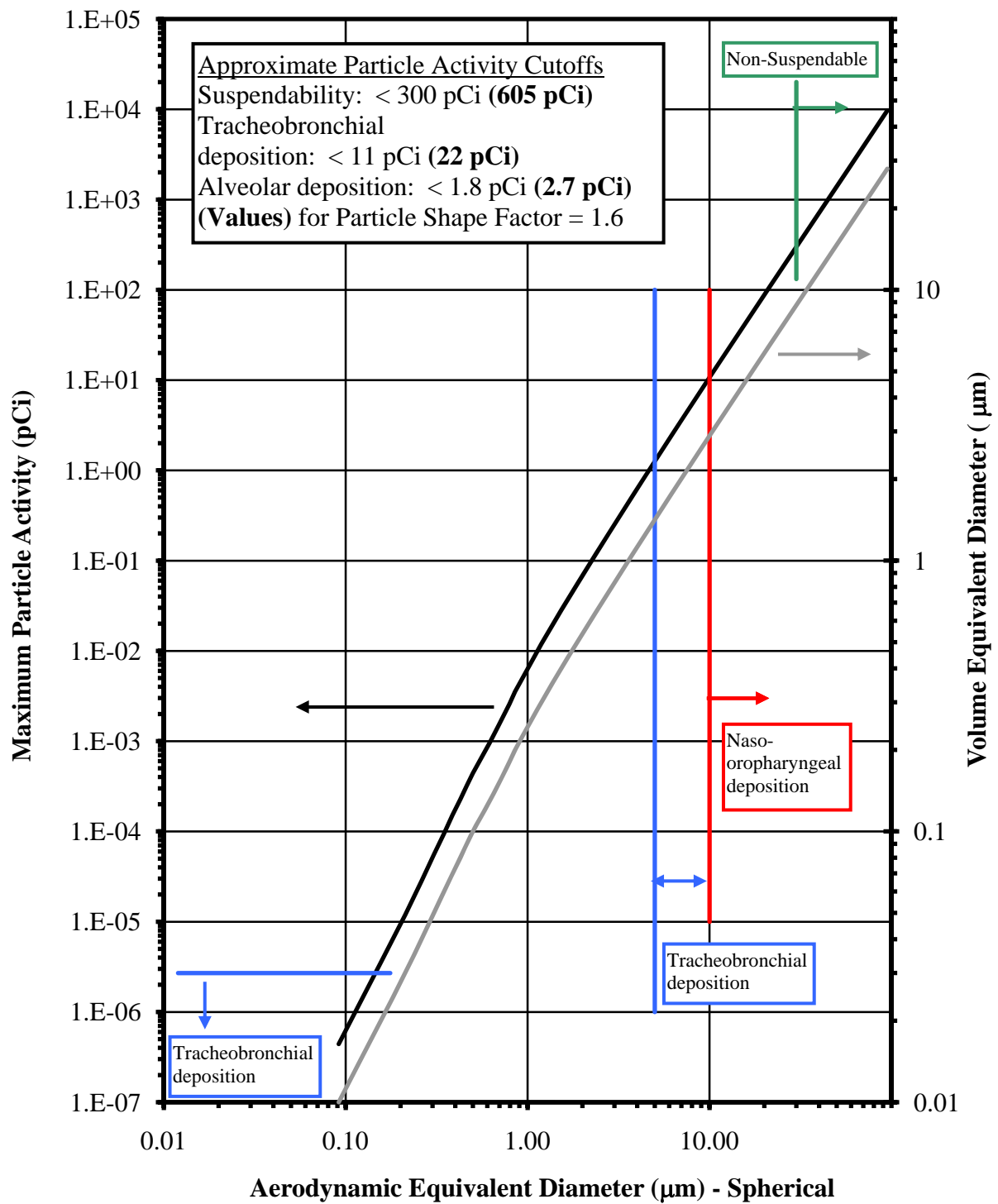


Figure A-9. Maximum Particle Activities and Volume Equivalent Diameters vs. Aerodynamic Equivalent Diameter (Spherical) PuO₂ Particles.

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Appendix B

Risk-Modeling and Survey Support Data

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TABLE B-1. NRC Reg. Guide 1.86, Excerpted from (Rademacher 2005). [Bold for WGP + ²⁴¹Am].

Nuclide ^a	disintegrations/minute/100 square-centimeters (dpm/100 cm ²)		
	Average ^{b c f}	Maximum ^{b d f}	Removable ^{b e}
U-nat, ²³⁵ U, ²³⁸ U & associated decay products	5,000 (α)	15,000 (α)	1,000 (α)
Transuranics, ²²⁶ Ra, ²²⁸ Ra, ²³⁰ Th, ²²⁸ Th, ²³¹ Pa, ²²⁷ Ac, ¹²⁵ I, ¹²⁹ I	100	300	20
Th-nat, ²³² Th, ⁹⁰ Sr, ²²³ Ra, ²²⁴ Ra, ²³² U, ¹²⁶ I, ¹³¹ I, ¹³³ I	1,000	3,000	200
β-γ emitters (nuclides with decay modes other than α-emission or SF) except ⁹⁰ Sr and others noted above	5,000 (β-γ)	15,000 (β-γ)	1,000 (β-γ)

Notes:

^aWhere surface contamination by both α- and β-γ-emitting nuclides exists, the limits established for α- and β-γ-emitting nuclides should apply independently. [The values apply to radioactive contamination deposited on, but not incorporated into the interior of, the contaminated item.]

^bAs used in this table, dpm means the rate of emission by radioactive material as determined by correcting the counts per minute observed by an appropriate detector for background, efficiency, and geometric factors associated with the instrumentation.

^cMeasurements of average contamination should not be averaged over more than 1 square meter. For objects of less surface area, the average should be derived for each such object.

^dThe maximum contamination level applies to an area of not more than 100 cm².

^eThe amount of removable radioactive material per 100 cm² of surface area should be determined by wiping that area with dry filter or soft absorbent material, applying moderate pressure, and assessing the amount of radioactive material on the wipe with an appropriate instrument of known efficiency. [The use of dry material may not be appropriate for tritium.] When removable contamination on objects of less surface area is determined, the pertinent levels should be reduced proportionally and the entire area should be wiped. [Except for transuranics and ²²⁸Ra, ²²⁷Ac, ²²⁸Th, ²³⁰Th, ²³¹Pa, and α-emitters, it is not necessary to use wiping techniques to measure removable contamination levels if direct scan surveys indicate that the total residual surface contamination (i.e. removable and fixed) are within the limits for removable contamination.]

^fThe average and maximum radiation levels associated with surface contamination resulting from β-γ-emitting nuclides should not exceed 0.2 mrad/hr @ 1 cm and 1.0 mrad/hr @ 1 cm, respectively, measured through 7 milligrams per square centimeter (mg/cm²) of total absorber.]

TABLE B-2. Summary of RESRAD-Build Dose Calculations for Contaminated Floor Surface of BOMARC Shelter.

Annual Dose Equivalent (mrem)	α-Radiation (dpm/100 cm ²)		
	²³⁹⁺²⁴⁰ Pu	²⁴¹ Am	Total
100 (t = 0)	10,700	2,000	12,700
4 (t = 0)	430	80	510
4 (30-year mean)	850	160	1,010
Route	Inhalation	Ingestion	External
Dose Percents	97.7	2.1	0.07

TABLE B-3. RESRAD-Build Parameters Used for Evaluations.

Parameter	Value	Parameter	Value
Total Time	10,950 d (30 y)	Inhalation Rate	18 m ³ /d
Time Inside	192 h/y	Ingestion Dust	1 x 10 ⁻⁴ m ² /h
Fraction Inside	0.022	Deposition Velocity	1 x 10 ⁻² m/s
Time to Remove Contaminant	10,950 d (30 y)	Resuspension Rate	5 x 10 ⁻⁷ 1/s
Building Area	130 m ²	Fraction Released to Air	0.1
Building Height	4.1 m	Removable Fraction	0.1
Building Floor Dimensions	7 m x 18.5 m	²³⁹⁺²⁴⁰ Pu to ²⁴¹ Am Ratio	5.4*
Air Exchange Rate	53.3 m ³ /h	Inhalation DCF (mrem/μCi)	4.3 x 10 ⁵ (W)
Air Exchanges per Hour	0.1	Ingestion DCF (mrem/μCi)	3.5 x 10 ³ (D)

* Partitioning a greater fraction of the total surface α-radiation to ²⁴¹Am is conservative, as respective dose conversion factors for ingestion and inhalation pathways are 2.8 and 3.5 % higher than for an equivalent activity of ²³⁹⁺²⁴⁰Pu.

TABLE B-4. Summary of RESRAD-Build Area Factors for Values of Table B-2 and Main Shelter Area.

Categories	Area Factors for Various EMC-Sizes					
Geometry (m)	3.0 x 3.0	2.5 x 2.5	2.0 x 2.0	1.5 x 1.5	1.0 x 1.0	0.5 x 0.5
Area (m ²)	9.0	6.25	4.9	2.25	1.0	0.25
Area Factor	14	20	32	56	127	506
Acceptable α-concentration (dpm/100 cm ²) for 100 mrem/yr	177k	254k	401k	715k	1,610k	6,430k

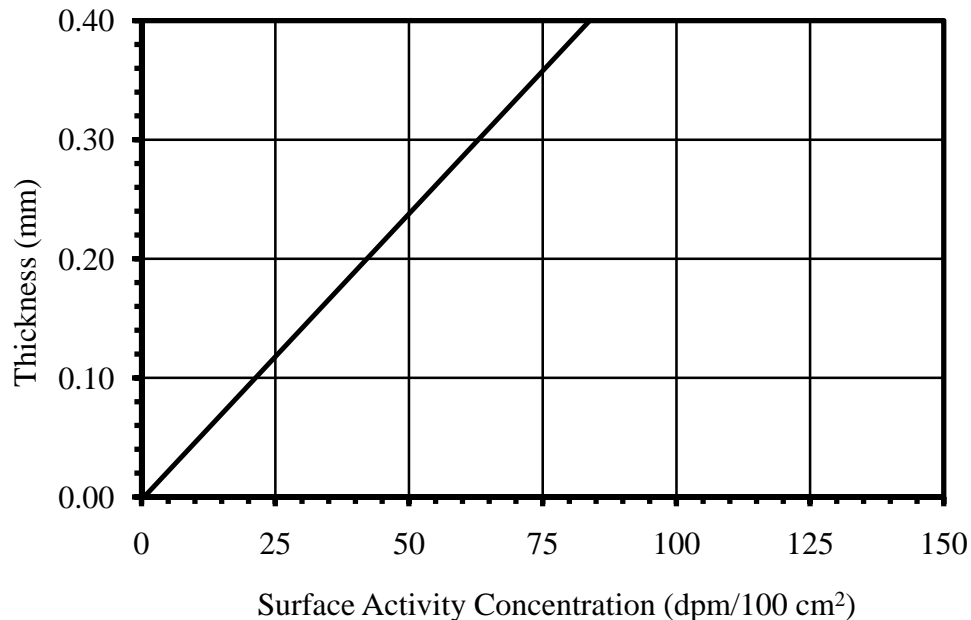


Figure B-1. Averaging Thickness of Concrete vs. Mean Surface Concentrations of ²³⁹⁺²⁴⁰Pu at 8 pCi/g ($\rho = 2.3 \text{ g/cm}^3$).

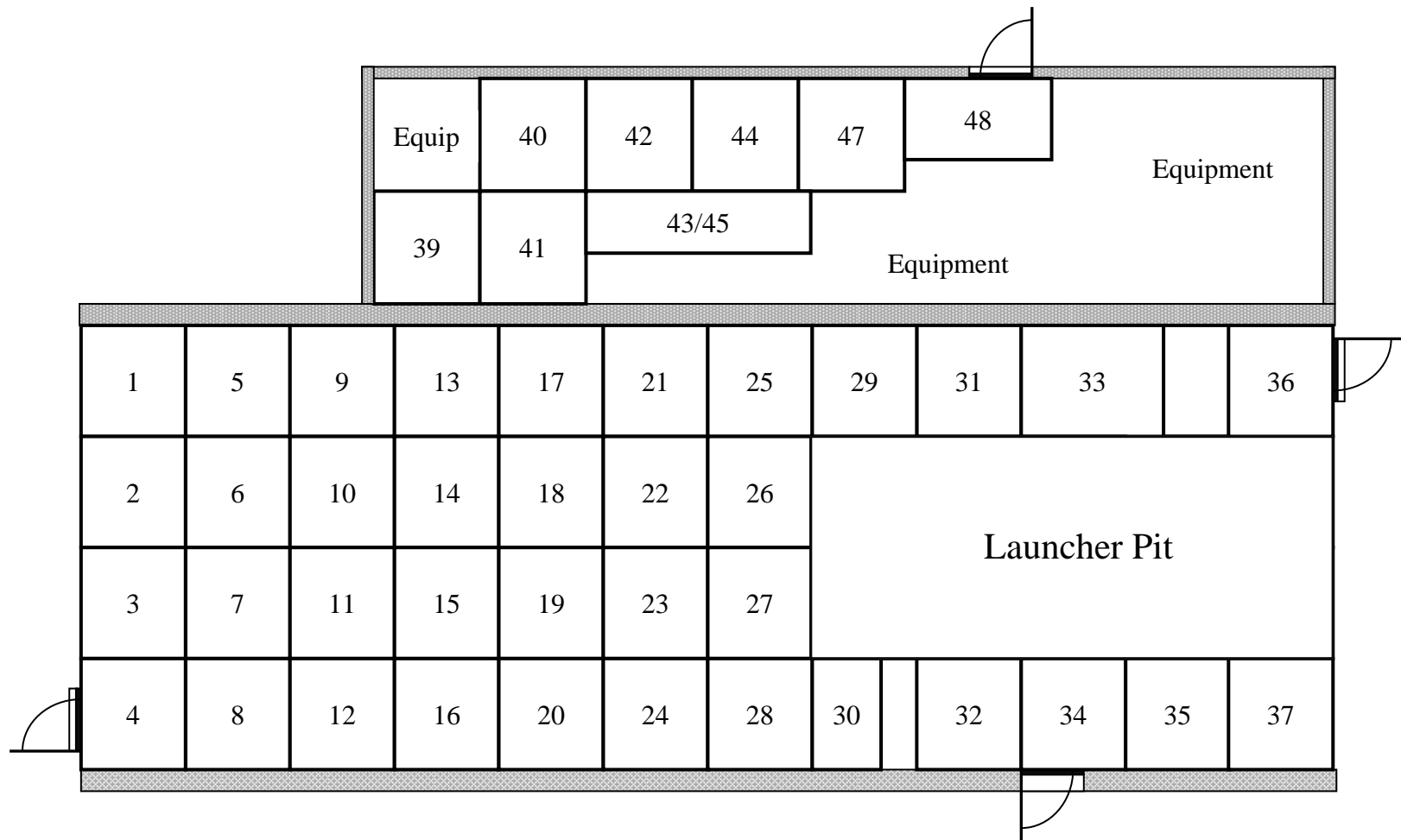


Figure B-2. Example Grid System for Shelter Floor Surveys.

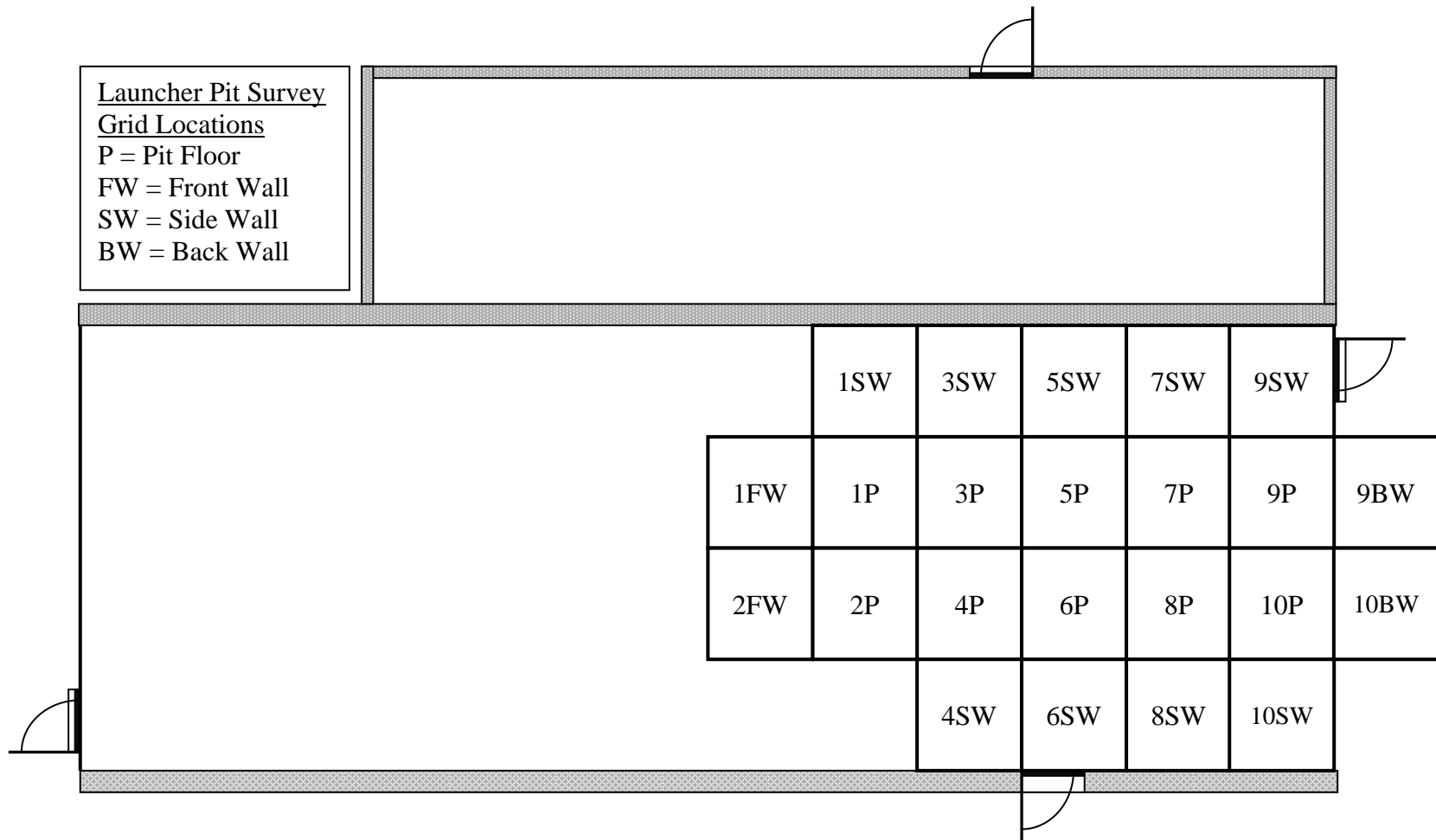


Figure B-3. Example Grid System for Shelter Launcher Pits Surveys.

Table B-5. Survey Instrumentation.

Type	Meter	Probe	Calibration Dates	Specifications
Large-area γ -radiation scintillator	Ludlum Model 2221, Serial Number 169248	Bicron (St. Gobain) 5XM.063Q/5BLX NaI(Tl), Serial Number 60005-2900	23 January 2007	5-inch diameter (12.7 cm), Thickness: 1.6 mm
	Ludlum Model 2221, Serial Number 97838	Bicron (St. Gobain) 5XM.063Q/5BLX NaI(Tl), Serial Number 60005-2918	09 August 2007	5-inch diameter (12.7 cm), Thickness: 1.6 mm
	Ludlum Model 2221, Serial Number 97838	Bicron (St. Gobain) 5XM.063Q/5BLX NaI(Tl), Serial Number 60004-0235*	16 April 2007	5-inch diameter (12.7 cm), Thickness: 1.6 mm
	Ludlum Model 2221, Serial Number 218610	Alpha Spectra Model QB2/5B NaI(Tl), Serial Number 03160L	30 July 2008	5-inch diameter (12.7 cm), Thickness: 1.6 mm
Portable α/β - scintillator	Ludlum Model 2360, Serial Number 141310	Ludlum 43-89, Serial Number 129863	10 January 2007	125 cm ² Probe Area α -Efficiency: 0.189 (0.25 inch)
	Ludlum Model 2360, Serial Number 145470	Ludlum 43-89, Serial Number 129869	07 November 2006	125 cm ² Probe Area α -Efficiency: 0.186 (0.25 inch)
	Ludlum Model 2360, Serial Number 125659	Ludlum 43-89, Serial Number 172257	01 December 2008	125 cm ² Probe Area α -Efficiency: 0.184 (0.25 inch)
	Ludlum Model 2360, Serial Number 137727	Ludlum 43-89, Serial Number 173345	01 December 2008	125 cm ² Probe Area α -Efficiency: 0.184 (0.25 inch)
Small-area γ -radiation scintillator	Ludlum Model 2221, Serial Number 218606	Ludlum Model 44-3, Serial Number 013029	8 August 2007	1-inch diameter (2.5 cm), Thickness: 1 mm, Optimal γ -energy range: 10 – 60 keV, Window: 18 mg/cm ²
Multimeter	ADM-300, Serial Number SM-190601	BP-100, Serial Number BP-690540	26 March 2007	15.5 cm ² Probe Area, Efficiency: 0.25 (4 π), ⁹⁰ Sr/ ⁹⁰ Y
		XP-100, Serial Number XP-690580	26 March 2007	1-inch diameter (2.5 cm), Efficiency: 0.08 (4 π), 17 keV
		AP-100A, Serial Number AP-690544	26 March 2007	123 cm ² Probe Area, Efficiency: ~ 0.15 (4 π)

* Detector was dropped by a technician

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Appendix C

Discrete Area and Particle Removal Summary Forms

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BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 August 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 15:00 to 16:30

Shelter Number: 121

Survey Instruments: 1) Meter: Ludlum 2221 (97838) 1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: w/ 4" Stand (Center Door Shelter 210) – 1643 counts in a minute)
w/ smoke detector Am-241 on floor detector center – 4684 (cpm)

2) Meter: Ludlum 2221 (218606) 2) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 23 counts in a minute

3) Meter: Ludlum 2360 (141310) 3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 29 (Under Center Location of Helium Tank)	- Measurements w/ 44-3 indicates no specific point source
	- Measure locations (close proximity): 1) 39 cpm (44-3), 4 cpm (α), 2) 34 cpm (44-3), 0 cpm (α), 3) 36 cpm (44-3), 2 cpm
	- Debris collected around Cell 29 (GS071473: Am-241 – 0.32 pCi/g, Pu-239+240 – 1.78 pCi/g , AFIOH/SDRR ID – 10700342)
	- Post debris removal swipe (300 cm ² , WW071477: < 2 E-6 μCi/swipe for both α- and β-radiations , AFIOH/SDRR ID – 40706529)
	- Post removal, 43 cpm (44-3), 1 cpm (α)
	- Interpretation: possible low-level diffuse or geometry-related instrument response

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 August 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 15:00 to 16:30

Shelter Number: 123

Survey Instruments: 1) Meter: Ludlum 2221 (97838)

1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: w/ 4" Stand (Center Door Shelter 210) – 1643 counts in a minute)
w/ smoke detector Am-241 on floor detector center – 4684 (cpm)

2) Meter: Ludlum 2221 (218606)

2) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 23 counts in a minute

3) Meter: Ludlum 2360 (141310)

3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 30 (2" from wall, 1" from depressed floor slot for pipe access to pit)	- Measurements w/ 44-3 indicates no specific point source
	- Measure locations (close proximity): 1) 46 cpm (44-3), 4 cpm (α), 2) 36 cpm (44-3), 3 cpm (α)
	- FIDLER on contact: 1670 cpm, bkgd 1534 cpm (Cell 20)
	- Debris collected around Cell 30 (GS071474, Am-241 – 1.11 pCi/g, Pu-239+240 – 6.2 pCi/g , AFIOH/SDRR ID – 10700343)
	- Post debris removal swipe (300 cm ² , WW071478: < 2 E-6 μCi/swipe for both α- and β-radiations , AFIOH/SDRR ID – 40706530)
	- Post removal, 1524 cpm (FIDLER), 2 cpm (α)
	- Interpretation: possible low-level diffuse or variability in concrete background

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 August 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 15:00 to 16:30

Shelter Number: 124

Survey Instruments: 1) Meter: Ludlum 2221 (97838) 1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: w/ 4" Stand (Center Door Shelter 210) – 1643 counts in a minute)
w/ smoke detector Am-241 on floor detector center – 4684 (cpm)

2) Meter: Ludlum 2221 (218606) 2) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 23 counts in a minute

3) Meter: Ludlum 2360 (141310) 3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 29 (Under Nose of Helium Tank))	- Measurements w/ 44-3 indicates no specific point source
	- Measure locations (close proximity): 1) 51 cpm (44-3), 3 cpm (α), 2) 61 cpm (44-3), 2 cpm (α), 3) 58 cpm (44-3), 3 cpm (α),
	- Debris collected around Cell 29 (GS071475, Am-241 < 0.09 pCi/g , Pu-239+240 < 0.50 pCi/g , AFIOH/SDRR ID – 10700344)
	- Post debris removal swipe (300 cm ² , WW071479, < 2 E-6 μCi/swipe for both α- and β-radiations , AFIOH/SDRR ID – 40706531)
	- Post removal, 51 cpm (44-3), 2 cpm (α)
	- Interpretation: possible low-level diffuse or variability in concrete background

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 28 September 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 09:20 to 09:40

Shelter Number: 126

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: ~ 23 cpm (integrated one-minute)

Specific Findings:

Cell Number	Measurement Information
Cell 30	-No discrete location of elevated contamination. Increased FIDLER response was likely due to open pipe area that is recessed, providing a geometry-related slight increase. Representative measurement near pipes was 26 cpm, much the same as adjacent background.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 30 July 2007

Survey Personnel: LtCol Steven Rademacher &
1Lt Joshua Hubbell

Survey Time: 15:30 to 17:00

Shelter Number: 201

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

Specific Findings:

Cell Number	Measurement Information
Cell 3/4	Discrete particle location identified. FIDLER response ~ 10k cpm near floor surface contact prior to removal. No α -radiation response, 0 cpm. Particle isolated with small flat-bottom metal trowel and bagged. Residual post removal typical for background with FIDLER. No α -radiation response. Bag ~ 10k cpm on contact.
Cell 21	Discrete particle location identified. FIDLER response ~ 9k cpm near floor surface contact prior to removal. No α -radiation response, 0 cpm. Particle isolated with small flat-bottom metal trowel and bagged with Cell 3/4 particle. Residual post removal typical for background with FIDLER. No α -radiation response. Bag ~ 14k cpm on contact.
Cell 37	Discrete particle location identified. FIDLER response ~ 7.5k cpm near floor surface contact prior to removal. No α -radiation response, 0 cpm. Particle isolated with small flat-bottom metal trowel and bagged with Cell 3/4 & Cell 21 particles. Residual post removal typical for background with FIDLER. No α -radiation response. Bag ~ 14k cpm on contact.
Cell 4/5	FIDLER ~ 2,300 cpm on dirt mound. Appears diffuse, with higher response associated with a higher FIDLER response to the mound of dirt than the bare concrete floor. Small composite of soil collected for analysis. Assumption: low-level diffuse contaminated soil.

**BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)**

Survey Date: 18 May 2009

Survey Personnel: Steven Rademacher

Survey Time: 12:30 to 13:30

Shelter Number: 201

Survey Instruments: 1) Meter: Ludlum 2224-1,
SN 125659
Cal. Date: 01 December 2008

1) Probe: Ludlum 43-89
SN 172257
Cal. Date: 01 December 2008

Specific Findings:

Cell Number	Measurement Information
9/13 Border	- Area remediated by application of light sandpaper abrasions. Small amount of material removed sent with abrasion removals conducted on 18 May 09 to USAFSAM as a site sample. Sample analysis serves no purpose for this project. - Post count rate for 1 minute count in area = 18 cpm.
20/24 Border	- Area remediated by application of light sandpaper abrasions. Small amount of material removed sent with abrasion removals conducted on 18 May 09 to USAFSAM as a site sample. Sample analysis serves no purpose for this project. - Post count rate for 1 minute count in area = 7 cpm.
34	- Area remediated by application of light sandpaper abrasions. Small amount of material removed sent with abrasion removals conducted on 18 May 09 to USAFSAM as a site sample. Sample analysis serves no purpose for this project. - Post count rate for 1 minute count in area = 0 cpm.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 30 July 2007

Survey Personnel: LtCol Steven Rademacher &
1Lt Joshua Hubbell

Survey Time: 15:30 to 17:00

Shelter Number: 203

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

Specific Findings:

Cell Number	Measurement Information
Cell 2	Discrete particle location identified. FIDLER response ~ 25k cpm near floor surface contact prior to removal. No α -radiation response, 0 cpm. Particle isolated with small flat-bottom metal trowel and bagged. Residual post removal typical for background with FIDLER. No α -radiation response.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 11 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 09:30 to 11:05

Shelter Number: 203

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 22 counts in a minute

2) Meter: Ludlum 2360 (141310)

2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 47	Removal attempted w/ hammer-drill, pre-removal α -response - 130 cpm in highest spot, no difference in 44-3 response in adjacent area. Post-removal α -response – 32 cpm in spot 1, 6 cpm in spot 2 (successful). Spots 1 and 2 were adjacent, but larger than 43-89 coverage combined.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 18 May 2009

Survey Personnel: Steven Rademacher

Survey Time: 13:30 to 13:50

Shelter Number: 203

Survey Instruments: 1) Meter: Ludlum 2224-1,
SN 125659
Cal. Date: 01 December 2008

1) Probe: Ludlum 43-89
SN 172257
Cal. Date: 01 December 2008

Specific Findings:

Cell Number	Measurement Information
13	- Area remediated by application of light sandpaper abrasions. Material added to USAFSAM sample bag. - Post count rate for 1 minute count in area = 3 cpm.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 29 June 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 14:45 to 15:00

Shelter Number: 205

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007

Specific Findings:

Cell Number	Measurement Information
Cell 1	<ul style="list-style-type: none"> - Discrete particle location identified. FIDLER response ~ 18.5k cpm near floor surface contact prior to removal. Particle isolated with small flat-bottom metal trowel and bagged. Residual post removal typical for background with FIDLER. - Estimated activity: ~ 290 nCi ²³⁹⁺²⁴⁰Pu (FIDLER on-contact), volume equivalent diameter of ~ 90 μm if pure PuO₂.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 August 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 11:45 to 12:15

Shelter Number: 205

Survey Instruments: 1) Meter: Ludlum 2221 (97838)

1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: w/ 4" Stand (Center Door Shelter 210) – 1643 counts in a minute)
w/ smoke detector Am-241 on floor detector center – 4684 (cpm)

2) Meter: Ludlum 2221 (218606)

2) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 31 counts in a minute

3) Meter: Ludlum 2360 (141310)

3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 29 (Under Nose of Helium Tank)	- Measurements w/ 44-3 indicates no specific point source
	- Measure locations (close proximity): 1) 43 cpm (44-3), 2 cpm (α), 2) 43 cpm (44-3), 5 cpm (α), 3) 37 cpm (44-3), 6 cpm (α)
	- Debris sample collected, GS071366. ²³⁹⁺²⁴⁰ Pu = 10.1 pCi/g
	- Interpretation: possible response to low-level diffuse contamination, variability in concrete background, or geometry-related from increased scattering from tank

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 30 June 2007

Survey Personnel: LtCol Steven Rademacher &
1Lt Hubbell

Survey Time: 11:30 to 12:00

Shelter Number: 207

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

Specific Findings:

Cell Number	Measurement Information
Border Cell 44/47	Removal attempted by hand with sandpaper. Partially successful, residual reduced from 10k to 3k cpm with FIDLER. Removed material bagged. Residual left for hammer-drill.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 11 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 12:15 to 13:00

Shelter Number: 207

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 22 counts in a minute

2) Meter: Ludlum 2360 (141310)

2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Border Cell 44/47	Removal attempted w/ hammer-drill, pre-removal α -response - 1575 cpm in highest spot w/ 43-89, w/ 44-3 response was 84 cpm. Post-removal α -response – 20 cpm (successful), 27 cpm w/ 44-3.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 11 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 14:20 to 14:45

Shelter Number: 208

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 22 counts in a minute

2) Meter: Ludlum 2360 (141310)

2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Border Cell 4 & exterior concrete pad	- 44-3 response on surface of area ~ 90 cpm. Post joint fill removal – 36 cpm (successful) - Material composited with material from floor joint in Shelter 211, GS071491. Sample mass = 264 g, ²³⁹⁺²⁴⁰ Pu = 14 nCi, ²³⁵ U = 1.2 nCi.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 18 May 2009

Survey Personnel: Steven Rademacher

Survey Time: 13:50 to 14:30

Shelter Number: 208

Survey Instruments: 1) Meter: Ludlum 2224-1,
SN 125659
Cal. Date: 01 December 2008

1) Probe: Ludlum 43-89
SN 172257
Cal. Date: 01 December 2008

Specific Findings:

Cell Number	Measurement Information
25	- Area remediated by application of light sandpaper abrasions. Material added to USAFSAM sample bag. - Post count rate for 1 minute count in area = 2 cpm.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 September 2007
14 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 16:50 to 15:30
08:00 to 08:15

Shelter Number: 209

Survey Instruments: 1) Meter: Ludlum 2360 (141310) 2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Border Cells 7/8	<p>- Approximately one square foot abraded with hammer drill on 13 Sep under wetted concrete conditions. Debris removed initially, with additional removal the next day. The average α-radiation one-minute integrated counts from the five measured locations ranged from 66 to 181 counts, with an average of 134 cpm. Three post- scabbled elevated areas were measured and had the following: 4, 10, and 20 counts in a minute, for an average of 11 cpm.</p> <p>- Material bagged and analyzed, GS071498. Sample mass = 415 g, $^{239+240}\text{Pu} = 15.5 \text{ nCi}$, or based on 1 ft^2, $3,730 \text{ dpm}/100 \text{ cm}^2$ ($^{239+240}\text{Pu}$), or $4,400 \text{ dpm}/100 \text{ cm}^2$ ($^{239+240}\text{Pu} + ^{241}\text{Am}$).</p>

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 August 2007

Survey Personnel: LtCol Steven Rademacher

Survey Time: 09:30 to 11:15

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2221 (97838) 1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: w/ 4" Stand (Center Door Shelter 210) – 1643 counts in a minute)
w/ smoke detector Am-241 on floor detector center – 4684 (cpm)

2) Meter: Ludlum 2221 (218606) 2) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 28 counts in a minute

3) Meter: Ludlum 2360 (141310) 3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Border of Cells 4 & 8	- Measurements w/ 44-3 indicates approximate point source – 685 cpm (contact)
	- 37 cpm (α -radiation)
	- Removal performed w/ gentle sandpaper abrasion (debris bagged), GS071476. Sample mass = 27.8 g, $^{239+240}\text{Pu}$ = 28 nCi.
	- Post removal, 44-3 (45 cpm), 35 cpm (α -radiation)
	- FIDLER - bagged debris (Gross: 1849 cpm, Bkgd: 1657 cpm, Net: 192 cpm, 4")
Top of Cells 6 & 7	- Measurements w/ 44-3 indicates four approximate point sources – 853 cpm (max)
	- FIDLER @ 4" height, locations on diagram [2854 cpm (3/4), 2345 (2)]
	- 15 Aug 07 – Location #2, removal attempted w/ chisel, @ depth of 1/4", 44-3 response - 1106 cpm, @ depth of 1/2", 44-3 response 1142 cpm (unsuccessful)
	- 15 Aug 07 – Location #1, removal attempted w/ chisel, @ depth of 1/4", 44-3 response - 159 cpm, @ depth of 3/8", 44-3 response 188 cpm (unsuccessful)
	- 15 Aug 07 – Location #3, removal attempted w/ chisel, @ depth of 1/8", post- removal 44-3 response - 30 cpm, @ depth of 3/8", α -radiation – 10 cpm (successful)
	- 15 Aug 07 – Location #4, removal attempted w/ chisel, @ depth of 3/8", 44-3 response - 1251 cpm, α -radiation – 9 cpm (unsuccessful)

Specific Findings:

Cell Number	Measurement Information
Cell 16	- Measurements w/ 44-3 indicates approximate point source – 610 cpm (contact)
	- 13 cpm (α -radiation), FIDLER – 1885 cpm (@ 4" height)
	- 15 Aug 07 removal attempted w/ chisel, prior to removal, 44-3 response 556 cpm on contact. @ depth of 1/8", post removal 44-3 response - 117 cpm, α -radiation – 21 cpm (partial success)
Cell 16 & Cell 6/7 (Location #3)	- Laboratory analysis of removed material, GS071487. Sample mass = 28.9 g, $^{239+240}\text{Pu}$ = 38.6 nCi.

**BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)**

Survey Date: 11 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 09:30 to 11:05

Shelter Number: **210**

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 22 counts in a minute

2) Meter: Ludlum 2360 (141310)

2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Top of Cells 6 & 7	Location #2, removal attempted w/ hammer-drill, pre-removal 44-3 response ~ 1200 cpm, post-removal 44-3 response - 37 cpm (successful), post-removal α -response – 0 cpm. Location #4, removal attempted w/ hammer-drill, post-removal 44-3 response ~ 45 cpm, post-removal α -response – 24 cpm.
Cell 16	- Pre-removal 44-3 response – 107 cpm, post-removal – 33 cpm, α -response – 34 cpm
Composite Concrete Debris	- GS071490, Am-241 – 139 pCi/g, Pu-239+240 – 774 pCi/g , AFIOH/SDRR ID – 10700376, total mass = 934 g, total Pu-239+240 = 722 nCi. - Plus material from discrete locations in Shelters 203 and 207.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals in Pit (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 5 March 2009

Survey Personnel: Dr. Rademacher, Capt Hubbell,
TSgt Powers

Survey Time: 09:30 to 11:15

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2224 (125659)

1) Probe: Ludlum 43-89 (172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

2) Meter: Ludlum 2211 (218610)

2) Probe: FIDLER (665LM627885101)

Cal. Date: Jan 09

Cal. Date: Jan 09

Bkgd: Measured on Opposite Side of Metal Pipe, Directly on-contact
w/ Pit Floor

Specific Findings:

Cell Number	Measurement Information
3P	- α -Instrument pre-remedial action (300 cpm on one discrete spot, 450 cpm on another, w/ instrument on contact)
	- FIDLER Bkgd – 19133 counts per 5 minutes, lower count rate on suspect areas
	- Post abrasive removal w/ sandpaper and duct-tape, bagged debris sent to USAFSAM as a sample.
	- Post removal, α -radiation count rate maximum 32 cpm
	- Wipe over impacted area (300 cm ²), WW092051. Gross α -radiation result – 9.4 ± 2.2 pCi/swipe, 7.0 ± 1.6 dpm/100 cm ² . β/γ -radiation unremarkable. Debris sent back as sample 92245. Sample not planned for analysis for inclusion in report. Rather, sample was sent for USAFSAM laboratory internal use.
7P	- α -Instrument pre-remedial action (150 cpm on one discrete spot)
	- Post abrasive removal w/ sandpaper and duct-tape, bagged debris sent to USAFSAM as a sample.
	- Post removal, α -radiation count rate maximum 38 cpm
	- Wipe over impacted area (300 cm ²), WW092053. Gross α -radiation result: < 2.0 pCi/swipe, < 1.5 dpm/100 cm ² . β/γ -radiation unremarkable. Debris sent back as sample 92246. Sample not planned for analysis for inclusion in report. Rather, sample was sent for USAFSAM laboratory internal use.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 18 May 2009

Survey Personnel: Steven Rademacher

Survey Time: 14:30 to 14:45

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2224-1,
SN 125659

Cal. Date: 01 December 2008

1) Probe: Ludlum 43-89
SN 172257

Cal. Date: 01 December 2008

Specific Findings:

Cell Number	Measurement Information
Edge 12 Near 16	<ul style="list-style-type: none"> - Removal by sandpaper accomplished on 15 May 09. - Post removal counts conducted on area ~ 6" x 28", on 7-separate measurements: 12 cpm, 20 cpm, 25 cpm, 36 cpm, 17 cpm, 45 cpm, 47 cpm. - Decision to conduct additional remediation on 19 May 09
Edge 12 Near 16	<ul style="list-style-type: none"> - 19 May 09 [0930]. - Light abrasive removal. - Recounts: 9 cpm, 3 cpm, 27 cpm, 6 cpm, 7 cpm, 39 cpm, 8 cpm.
Edge 12 Near 16	<ul style="list-style-type: none"> - 19 May 09 [1000]. - Tape removal. - Recounts: 8 cpm, 6 cpm, 21 cpm, 5 cpm, 5 cpm, 15 cpm, 4 cpm.

BOMARC Missile Shelter Radiological Data Form for Discrete Particle Removals
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 11 September 2007

Survey Personnel: LtCol Steven Rademacher &
Capt James Fyffe

Survey Time: 14:45 to 15:15

Shelter Number: 211

Survey Instruments: 1) Meter: Ludlum 2221 (218606) 1) Probe: Ludlum 44-3 (013029)

Cal. Date: 8 Aug 07

Cal. Date: 8 Aug 07

Bkgd: Concrete Surface – 22 counts in a minute

2) Meter: Ludlum 2360 (141310)

2) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Cell 48 & exterior concrete pad	44-3 response on surface of area ~ 42 cpm. Area did not appear to have elevated response to same degree as when initially identified. Area scanned for possible movement with negative results. Post joint fill removal – 29 cpm (successful). Debris bagged with contamination removed from shelters 203 and 210.

Appendix D

Analytical Results for Debris and Water Samples

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Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700254

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071355

Serial #

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 09-Jul-2007

Completed 13-Jul-2007

Sample Volume 3320 g

EPA CODE N/A	ACTINIUM 228	2.10E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	1.40E+01 +/- 8.50E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	9.40E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	3.92E+00 +/- 2.80E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	2.10E-01 +/- 7.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB Shelter 209 Pu-239+240 = 78.0 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700255

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071356

Serial #

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 09-Jul-2007

Completed 13-Jul-2007

Sample Volume 4770 g

EPA CODE N/A	ACTINIUM 228	3.00E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	7.98E+00 +/- 4.90E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	8.20E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.97E+00 +/- 2.80E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	< 2.20E-01	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB Shelter 205 Pu-239+240 = 44.5 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700256

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071357

Serial #

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 09-Jul-2007

Completed 13-Jul-2007

Sample Volume 4160 g

EPA CODE N/A	ACTINIUM 228	2.00E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	2.00E+00 +/- 1.50E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	5.70E-01 +/- 4.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.40E+00 +/- 3.00E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	6.30E-01 +/- 1.30E-01	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB Shelter 214 (Container 1) Pu-239+240 = 11.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700257

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071358

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 09-Jul-2007

Completed 13-Jul-2007

Sample Volume 4200 g

EPA CODE N/A	ACTINIUM 228	2.10E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	6.60E-01 +/- 7.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	5.50E-01 +/- 4.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.66E+00 +/- 2.90E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	1.40E-01 +/- 8.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB Shelter 211 Pu-239+240 = 3.68 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700258

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071359

Serial #

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 3860 g

EPA CODE N/A	ACTINIUM 228	1.90E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	1.80E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	3.90E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.78E+00 +/- 2.90E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	1.40E-01 +/- 9.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 214 Container 2) Pu-239+240 = 1.00 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700259

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071360

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 3830 g

EPA CODE N/A	ACTINIUM 228	2.30E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	2.02E+01 +/- 1.21E+00	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	1.90E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.15E+00 +/- 2.40E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	9.00E-02 +/- 7.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 208) Pu-239+240 = 112.5 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700260

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071361

Serial #

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 4740 g

EPA CODE N/A	ACTINIUM 228	1.70E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	3.80E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	3.90E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	1.92E+00 +/- 2.30E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	2.00E-01 +/- 9.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 212) Pu-239+240 = 2.12 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700261

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071362

Serial #

Workplace or Site ID 0121

Date Collected 27-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 3570 g

EPA CODE N/A	ACTINIUM 228	1.30E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	5.92E+00 +/- 3.80E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	2.50E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	1.68E+00 +/- 2.10E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	< 2.50E-01	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 210) Pu-239+240 = 33.0 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700262

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071363

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 878 g

EPA CODE N/A	ACTINIUM 228	2.00E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	2.20E-01 +/- 4.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	1.40E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.91E+00 +/- 2.90E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	1.70E-01 +/- 8.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 208, Equipment Room) Pu-239+240 = 1.23 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700263

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071364

Serial #

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 1700 g

EPA CODE N/A	ACTINIUM 228	1.50E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	6.00E-02 +/- 1.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	8.00E-02 +/- 1.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	1.97E+00 +/- 1.70E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	1.60E-01 +/- 9.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 212, Equipment Room) Pu-239+240 = 0.33 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700264

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071365

Serial #

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 2270 g

EPA CODE N/A	ACTINIUM 228	1.90E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	5.10E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	1.00E-01 +/- 1.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	1.44E+00 +/- 1.30E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	1.50E-01 +/- 5.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 210, Equipment Room) Pu-239+240 = 2.84 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700265

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071366

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 273 g

EPA CODE N/A	ACTINIUM 228	2.40E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	1.82E+00 +/- 2.10E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	6.60E-01 +/- 5.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.55E+00 +/- 3.70E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	< 5.40E-01	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 205, Debris Cells 25/29) Pu-239+240 = 10.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700266

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071367

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 1410 g

EPA CODE N/A	ACTINIUM 228	2.80E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	6.70E-01 +/- 8.00E-02	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	3.90E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	8.40E+00 +/- 5.30E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	4.20E-01 +/- 1.00E-01	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 201, Debris Cells 4/5) Pu-239+240 = 3.73 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 10700267

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071368

Serial #

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 10-Jul-2007

Completed 13-Jul-2007

Sample Volume 6300 g

EPA CODE N/A	ACTINIUM 228	2.10E-01 +/- 2.00E-02	PICOCURIES / GRAM
EPA CODE N/A	AMERICIUM 241	5.23E+00 +/- 3.30E-01	PICOCURIES / GRAM
EPA CODE N/A	CESIUM 137	5.30E-01 +/- 3.00E-02	PICOCURIES / GRAM
EPA CODE N/A	POTASSIUM 40	2.49E+00 +/- 2.00E-01	PICOCURIES / GRAM
EPA CODE N/A	THORIUM 234	2.20E-01 +/- 6.00E-02	PICOCURIES / GRAM

BOMARC/MCGUIRE AFB (Shelter 207) Pu-239+240 = 29.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700333

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071467**

Serial #

Workplace or Site ID 0121

Date Collected 30-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume **2070 g**

EPA CODE N/A

AMERICIUM 241

9.90E+00 +/- 6.10E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

SHELTER 203/BOMARC

Pu-239+240 = 55.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700334

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071468

Serial #

Workplace or Site ID 0121

Date Collected 30-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume 2680 g

EPA CODE N/A

AMERICIUM 241

1.10E+00 +/- 1.00E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

SHELTER 201/BOMARC

Pu-239+240 = 6.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700335

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071469**

Serial #

Workplace or Site ID 0121

Date Collected 30-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume **2461 g**

EPA CODE N/A

AMERICIUM 241

< 6.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 3.00E-02

PICOCURIES / GRAM

DECON BUILDING/BOMARC (Composited Floor Debris) Pu-239+240 < 0.33 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700336

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071470**

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume 1830 g

EPA CODE N/A

AMERICIUM 241

4.40E-01 +/- 5.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

EQUIPMENT ROOM/205/BOMARC

Pu-239+240 = 2.45 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700337

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071471**

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume **2170 g**

EPA CODE N/A

AMERICIUM 241

1.36E+00 +/- 1.00E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

EQUIPMENT ROOM/201/BOMARC

Pu-239+240 = 7.6 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700338

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071472**

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 10-Aug-2007

Completed 20-Aug-2007

Sample Volume 1490 g

EPA CODE N/A

AMERICIUM 241

2.68E+00 +/- 1.80E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

EQUIPMENT ROOM/203/BOMARC

Pu-239+240 = 14.9 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700342

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071473

Serial #

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 68.9 g

EPA CODE N/A

AMERICIUM 241

3.20E-01 +/- 6.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 5.90E-01

PICOCURIES / GRAM

LOCATION: CELL 29 (BIAS, FLOOR DEBRIS UNDER He TANK) Shelter 121

Pu-239+240 = 1.78 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700343

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071474

Serial #

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 89.1 g

EPA CODE N/A

AMERICIUM 241

1.11E+00 +/- 2.00E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 4.60E-01

PICOCURIES / GRAM

LOCATION: CELL 30 (BIAS, FLOOR DEBRIS)

Pu-239+240 = 6.2 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700344

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071475

Serial #

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 93.8 g

EPA CODE N/A

AMERICIUM 241

< 9.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 4.60E-01

PICOCURIES / GRAM

LOCATION: CELL 29 (BIAS, FLOOR DEBRIS UNDER He TANK)

Pu-239+240 < 0.50 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700345

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071476

Serial #

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 27.8 g

EPA CODE N/A

AMERICIUM 241

1.81E+02 +/- 1.09E+01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 3.10E-01

PICOCURIES / GRAM

LOCATION: CELL 4/8 (BIASED, REMOVED MATERIAL) Pu-239+240 = 1010 pCi/g

Total Pu-239+240 = 28 nCi (~ 40 micron, volume equivalent diameter;
136 micron, aerodynamic equivalent diameter)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700346

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071480

Serial #

Workplace or Site ID 0121

Date Collected 14-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 1860 g

EPA CODE N/A

AMERICIUM 241

1.50E-01 +/- 2.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.00E-02

PICOCURIES / GRAM

LOCATION: SHELTER FLOOR DEBRIS (Shelter 101)

Pu-239+240 = 0.84 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700347

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071481

Serial #

Workplace or Site ID 0121

Date Collected 14-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 1300 g

EPA CODE N/A

AMERICIUM 241

1.72E+00 +/- 1.40E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 1.50E-01

PICOCURIES / GRAM

LOCATION: SHELTER FLOOR DEBRIS (Shelter 102)

Pu-239+240 = 9.6 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700348

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071482

Serial #

Workplace or Site ID 0121

Date Collected 14-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 928 g

EPA CODE N/A

AMERICIUM 241

5.60E-01 +/- 6.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 3.00E-02

PICOCURIES / GRAM

LOCATION: SHELTER FLOOR DEBRIS (Shelter 104)

Pu-239+240 = 3.1 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700349

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071483

Serial #

Workplace or Site ID 0121

Date Collected 15-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 953 g

EPA CODE N/A

AMERICIUM 241

9.00E-02 +/- 3.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 4.00E-02

PICOCURIES / GRAM

LOCATION: SHELTER FLOOR DEBRIS (Shelter 106)

Pu-239+240 = 0.50 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700352

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071487

Serial #

Workplace or Site ID 0121

Date Collected 15-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 28.9 g

EPA CODE N/A

AMERICIUM 241

2.40E+02 +/- 1.46E+01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 3.90E-01

PICOCURIES / GRAM

LOCATION: DISCRETE PARTICLE CONCRETE DEBRIS (Cells 6/7 and Cell 16)

Pu-239+240 = 1,340 pCi/g, Total Pu-230+240 = 38.6 nCi

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700353

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071488

Serial #

Workplace or Site ID 0121

Date Collected 16-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume 14.9 g

EPA CODE N/A

AMERICIUM 241

9.97E+00 +/- 1.34E+00

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 7.50E-01

PICOCURIES / GRAM

LOCATION: CONCRETE SURFACE DEBRIS, COMPOSITED Shelter 210, Abrasives Tests

Pu-239+240 = 55.5 pCi/g, Total Pu-239+240 = 827 pCi

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700354

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GS071489**

Serial #

Workplace or Site ID 0121

Date Collected 16-Aug-2007

Received 28-Aug-2007

Completed 04-Sep-2007

Sample Volume **349 g**

EPA CODE N/A

AMERICIUM 241

8.16E+00 +/- 6.10E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 1.20E-01

PICOCURIES / GRAM

STRUCTURE 210 (Second Floor Sweeping)

Pu-239+240 = 45.5 pCi/g

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700376

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071490

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 04-Oct-2007

Sample Volume 934 g

EPA CODE N/A

AMERICIUM 241

1.39E+02 +/- 8.29E+00

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.70E-01

PICOCURIES / GRAM

DISCRETE PARTICLES-CONCRETE DEBRIS (From Discrete Particles in Shelters 210, 203, and 207)

Pu-239+240 - 774 pCi/g, with a ratio of 5.57

Total Pu-239+240 = 722 nCi

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINITY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700377

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071491

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 264 g

EPA CODE N/A

AMERICIUM 241

9.46E+00 +/- 6.30E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

7.90E-01 +/- 2.40E-01

PICOCURIES / GRAM

DISCRETE PARTICLES-SOIL DEBRIS (From Discrete Particles/Soil Debris Shelters 208/211)

Pu-239+240 - 52.7 pCi/g, with a ratio of 5.57

Total Pu-239+240 = 14 nCi

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700378

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071492

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 775 g

EPA CODE N/A

AMERICIUM 241

< 9.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 3.00E-02

PICOCURIES / GRAM

FLOOR DEBRIS (Shelter 213, Composited from Multiple Areas)

Pu-239+240 < 0.5 pCi/g, with a ratio of 5.57

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANITY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700379

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071493

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 659 g

EPA CODE N/A

AMERICIUM 241

7.61E-06 +/- 4.90E-07 MICROCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 1.00E-07

MICROCURIES / GRAM

MAIN SHELTER 210 PIT FLOOR DEBRIS (Pu-239+240 = 42.4 pCi/g, with ratio at 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700380

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071494

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 1170 g

EPA CODE N/A

AMERICIUM 241

3.12E+00 +/- 2.10E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 8.00E-02

PICOCURIES / GRAM

MAIN SHELTER 208 PIT FLOOR DEBRIS (Pu-239+240 - 17.4 pCi/g, with ratio of 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700381

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071495

Serial #

Workplace or Site ID 0121

Date Collected 11-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 391 g

EPA CODE N/A

AMERICIUM 241

5.30E-01 +/- 8.00E-02

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 1.60E-01

PICOCURIES / GRAM

SHELTER 201 FLOOR DEBRIS (2nd Sweeping, Pu-239+240 - 2.95 pCi/g, with ratio of 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700382

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071496

Serial #

Workplace or Site ID 0121

Date Collected 13-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 360 g

EPA CODE N/A

AMERICIUM 241

1.73E+00 +/- 1.80E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 7.00E-02

PICOCURIES / GRAM

SHELTER 209 FLOOR DEBRIS (Pu-239+240 - 9.64 pCi/g, with ratio of 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700383

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071497

Serial #

Workplace or Site ID 0121

Date Collected 13-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 240 g

EPA CODE N/A

AMERICIUM 241

2.03E+00 +/- 2.00E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 7.00E-02

PICOCURIES / GRAM

SHELTER 208 FLOOR DEBRIS (Pu-239+240 - 11.3 pCi/g, with ratio of 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700384

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071498

Serial #

Workplace or Site ID 0121

Date Collected 13-Sep-2007

Received 20-Sep-2007

Completed 02-Oct-2007

Sample Volume 415 g

EPA CODE N/A

AMERICIUM 241

6.71E+00 +/- 4.70E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 2.60E-01

PICOCURIES / GRAM

CELL 7/8 BORDER ELEVATED AREA DEBRIS for Shelter 209

(Pu-239+240 - 37.7 pCi/g, with factor of 5.57)

Total Pu-239+240 = 15.6 nCi

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700385

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071499

Serial #

Workplace or Site ID 0121

Date Collected 13-Sep-2007

Received 20-Sep-2007

Completed 28-Sep-2007

Sample Volume 80.5 g

EPA CODE N/A

AMERICIUM 241

< 2.50E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 4.00E-01

PICOCURIES / GRAM

BUNKER SEDIMENT DEBRIS COMM. (Pu-239+240 < 1.40 pCi/g, with scaling factor of 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Oct-2007

AFIOH/SDRR ID 10700386

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GS071500

Serial #

Workplace or Site ID 0121

Date Collected 13-Sep-2007

Received 20-Sep-2007

Completed 04-Oct-2007

Sample Volume 57.1 g

EPA CODE N/A

AMERICIUM 241

6.14E+00 +/- 5.10E-01

PICOCURIES / GRAM

EPA CODE N/A

URANIUM 235

< 1.20E-01

PICOCURIES / GRAM

BUNKER SEDIMENT DEBRIS POWER (Pu-239+240 - 34.2 pCi/g, with factor 5.57)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700350

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # GN071485

Serial #

Workplace or Site ID 0121

Date Collected 15-Aug-2007

Received 28-Aug-2007

Completed 07-Sep-2007

Sample Volume 1 l

EPA CODE N/A

GROSS ALPHA

3.59E+00 +/- 1.46E+00

PICOCURIES / LITER

EPA CODE N/A

GROSS BETA

8.48E+00 +/- 1.35E+00

PICOCURIES / LITER

LOCATION: POWER BUNKER

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700351

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # **GN071486**

Serial #

Workplace or Site ID 0121

Date Collected 15-Aug-2007

Received 28-Aug-2007

Completed 07-Sep-2007

Sample Volume 1 l

EPA CODE N/A

GROSS ALPHA

2.40E+00 +/- 1.42E+00

PICOCURIES / LITER

EPA CODE N/A

GROSS BETA

1.25E+01 +/- 1.56E+00

PICOCURIES / LITER

LOCATION: COMMUNICATIONS BUNKER

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Appendix E
Shelter Grid Survey Forms

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BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 31 Jul 2007 Survey Personnel: 1Lt Joshua Hubbell, SSgt Cesar Valverde, &
SrA Reuben Smith

Survey Time: 13:50 to 15:00 Shelter Number: 201

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1934 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for a small spot under the end of the launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block.

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1966	3	5
2	1874	7	3
3	2010	6	8 (1)
4	1964	3	8
5	2145	3	0
6	2045	4	1
7	1949	0	3
8	2096	3	4 (10)
9	2051	2	3
10	1933	1	2
11	2019	3	4 (13)
12	2095	2	0
13	2122	0	2
14	1937	1	1
15	1986	1	2
16	2133	2	1

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	2013	2	4
18	1835	0	2
19	1923	2	3
20	2100	2	1
21	2009	1	0
22	1834	3	2
23	1956	1	0
24	2081	3	5 (0)
25	1998	1	0
26	1880	5	2
27	1742	0	2
28	1984	2	1
29	1682	3	1
30	1959	0	1
31	1728	0	1
32	1831	3	4 (4)
33	1806	1	0
34	1808	3	1
35	1845	2	2
36	1766	2	0
37	1947	1	6
39	2041	4	2
40	1814	0	2
41	2005	0	1
42	1868	2	1
43/45	1774	2	1
44	1868	0	1
47	1790	1	2
48	1737	2	4

Detailed Findings

Cell Number	Notes
QC	QC check on the five measured α -radiation locations. Measurements were collected at 15:05, 31 July 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 31 Jul 2007 Survey Personnel: 1Lt Joshua Hubbell, SSgt Cesar Valverde, &
SrA Reuben Smith

Survey Time: 12:45 to 13:45 Shelter Number: 203

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1934 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for a small spot under the end of the launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block.

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	2034	4	3
2	1846	2	2
3	1934	5	4
4	1924	2	12 (0)
5	2167	6	0
6	2007	2	3
7	1975	15	1
8	2141	8	9 (4)
9	2013	5	6
10	1977	1	2
11	1994	0	3
12	2016	3	13 (5)
13	2002	2	2
14	1934	5	2
15	1819	5	0
16	2171	4	1

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	2013	1	0
18	1783	1	1
19	1810	3	4
20	2021	0	1
21	1945	4	3
22	1846	1	1
23	1884	1	0
24	1958	3	1
25	2076	0	2
26	1903	4	3
27	1779	6	3
28	1986	3	5
29	1848	2	4
30	1872	2	2
31	1769	0	12 (3)
32	1745	2	0
33	1714	1	1
34	1787	1	4
35	1766	4	6 (3)
36	1646	1	1
37	1818	1	2
39	2033	0	1
40	1926	1	6
41	1739	1	1
42	1926	4	0
43/45	1777	1	4
44	1767	5	6
47	1815	22	36 (37)
48	1752	3	4

Detailed Findings

Cell Number	Notes
QC	QC check on the five measured α -radiation locations. Measurements were collected at 15:20, 31 July 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 29 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 08:30 to 09:45

Shelter Number: 205

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900

Cal. Date: 23 January 2007

Bkgd: 1298 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869

Cal. Date: 07 November 2006

Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for one small location at end of launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. The screening survey identified two elevated areas. All in-situ FIDLER were integrated over a one-minute period, while α -radiation measurements were integrated over 30-seconds. Side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. The floor of the equipment room was wet from overnight rain and left for the next trip. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1318	7	9 (10)
2	1323	1	5
3	1322	2	0
4	1305	2	3
5	1354	4	4
6	1260	1	2
7	1370	1	26 (5)
8	1388	5	1
9	1185	9	2
10	1274	7	11 (6)
11	1277	2	2
12	1336	3	2
13	1264	2	3
14	1275	3	3
15	1318	2	3
16	1312	7	9 (3)

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1293	0	3
18	1176	4	2
19	1141	6	0
20	1418	0	5 (0)
21	1331	2	0
22	1197	1	1
23	1209	0	4
24	1322	3	1
25	1310	1	3
26	1116	1	2
27	1110	2	3
28	1326	2	2
29	984	2	1
30	1262	1	1
31	1064	5	0
32	1055	1	4
33	1150	3	0
34	1066	1	1
35	1150	3	1
36	1062	0	1
37	1116	2	2
39			
40			
41			
42			
43/45			
44			
47			
48			

Detailed Findings

Cell Number	Notes
QC	QC check on five measured α -radiation locations. Measurements were collected at 11:44, 01 July 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 31 July 2007 Survey Personnel: 1Lt Joshua Hubbell, SSgt Cesar Valverde, &
SrA Reuben Smith

Survey Time: 16:00 to 16:20 Shelter Number: 205

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1934 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for one small location at end of launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. The screening survey identified two elevated areas. All in-situ FIDLER were integrated over a one-minute period, while α -radiation measurements were integrated over 30-seconds. Side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. The floor of the equipment room was wet from overnight rain and accomplished in this survey. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17			
18			
19			
20			
21			
22			
23			
24			
25			
26			
27			
28			
29			
30			
31			
32			
33			
34			
35			
36			
37			
39	2114	2	1
40	1969	1	2
41	1913	0	2
42	1912	3	1
43/45	1785	1	1
44	1937	2	1
47	1775	1	0
48	1708	1	4

Detailed Findings

Cell Number	Notes
QC	QC check on five measured α -radiation locations. Measurements were collected at 11:44, 01 July 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 30 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 10:30 to 13:15 Shelter Number: 207

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for a small spot under the end of the launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block.

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1362	2	3
2	1203	2	8 (2)
3	1213	0	0
4	1350	0	0
5	1358	2	4
6	1258	0	1
7	1334	1	2
8	1378	2	1
9	1310	4	2
10	1263	3	1
11	1278	3	1
12	1326	2	3
13	1258	0	2
14	1169	0	1
15	1212	0	5 (1)
16	1366	2	4 (2)

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1234	1	2
18	1174	0	3 (2)
19	1174	6	0
20	1316	3	2
21	1204	2	4 (2)
22	1204	1	1
23	1166	1	3
24	1287	1	3
25	1243	2	3
26	1166	2	0
27	1122	0	3
28	1254	0	1
29	1107	1	1
30	1189	0	1
31	1136	2	1
32	1112	2	1
33	1129	2	1
34	1110	1	1
35	1144	2	0
36	1092	4	0
37	1112	2	2
39	1276	1	0
40	1103	2	1
41	1178	2	1
42	1104	1	0
43/45	1114	0	1
44	1101	2	0
47	1470	11	6
48	1089	4	1

Detailed Findings

Cell Number	Notes
QC	QC check on the five measured α -radiation locations. Measurements were collected at 13:30, 30 June 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.
47	10 kcpm with FIDLER and 10 counts α -radiation (30-second count) at one isolated point, in slight concrete imperfection (1/2" long x 1/8" width x 1/8" deep). Removal was attempted with small blade, sand paper, and tape. Removal was partially successful with FIDLER count rate reduced to 2 kcpm, but α -radiation rates at ~ 1000 counts (30-second count). Location left with painted ring and tape over spot. Additional removal will be attempted in August 2007.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 29 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 11:30 to 13:15 Shelter Number: 208

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1298 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. No elevated areas were identified. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1269	4	1
2	1273	4	5
3	1354	3	3
4	1296	8	5 (5)
5	1402	5	2
6	1255	4	3
7	1288	3	2
8	1271	12	10 (13)
9	1408	0	4
10	1358	1	1
11	1366	0	1
12	1308	0	1
13	1237	2	1
14	1311	0	3
15	1270	1	2
16	1372	1	3

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1260	4	2
18	1116	2	1
19	1240	1	2
20	1385	10	9 (2)
21	1325	0	0
22	1196	6	2
23	1229	1	2
24	1284	2	1
25	1247	3	2
26	1121	2	5
27	1274	3	2
28	1308	2	1
29	1251	1	2
30	1236	1	3
31	1161	2	2
32	1158	16	23 (4)
33	1161	7	4 (2)
34	1156	4	2
35	1190	0	1
36	1125	4	1
37	1194	1	1
39	1293	1	1
40	1172	2	2
41	1182	5	4
42	1124	2	2
43/45	1109	2	3
44	1048	3	3
47	1108	0	1
48	1184	0	2

Detailed Findings

Cell Number	Notes
QC	QC check on the six measured α -radiation locations. Measurements were collected at 13:20, 29 June 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 01 July 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 08:30 to 09:45

Shelter Number: 209

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for a small spot under the end of the launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. Swipes were collected over 300 cm². One discrete particle identified in equipment room.

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1319	0	2
2	1208	4	2
3	1239	7	6
4	1365	11	4
5	1328	3	5
6	1277	4	10 (4)
7	1363	4	4
8	1321	5	4
9	1303	13	3 (2)
10	1238	1	3
11	1306	8	6
12	1291	41	24 (14)
13	1276	3	2
14	1265	4	3
15	1217	3	1
16	1306	12	11 (19)

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1179	5	4
18	1094	5	1
19	1182	4	7 (12)
20	1297	4	3
21	1235	6	5
22	1212	6	2
23	1129	0	0
24	1291	4	2
25	1238	3	2
26	1111	3	4
27	1203	3	3
28	1176	0	2
29	1191	2	3
30	1174	4	2
31	1127	6	5
32	990	2	3
33	1116	6	5
34	1151	7	4
35	1176	1	4
36	1135	0	0
37	1192	2	3
39	1412	1	3
40	1267	3	1
41	1192	1	1
42	1160	0	1
43/45	1152	1	3
44	1220	2	1
47	1116	2	2
48	1137	2	0

Detailed Findings

Cell Number	Notes
QC	QC check on the five measured α -radiation locations. Measurements were collected at 11:55, 01 July 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds. Battery – 5.5 volts, HV – 798 volts, Threshold – 100, Window – 100. Smoke detector one-minute count @ 2” from source – 8,222 counts.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 28 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 08:40 to 12:15

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900

Cal. Date: 23 January 2007

Bkgd: 1241 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869

Cal. Date: 07 November 2006

Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some dead vegetation and sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits and smooth, while the concrete in the equipment room was considerably rougher. Three small areas on the floor surface had elevated FIDLER measurements and based on measurements, appear to be primary the results of discrete particles. All in-situ FIDLER and α -radiation measurements were integrated over a one-minute counting period, except for six repeat measurements, which were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1354	21	22
2	1295	9	4
3	1235	14	7
4	1566	21	8
5	1322	7	5
6	1333	12	15
7	1496	29	21
8	1347	22	32
9	1311	4	6
10	1252	37	7
11	1224	23	7
12	1365	22	18
13	1281	3	13
14	1223	3	7
15	1191	23	41 (20)
16	1286	15	16

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1163	19	15
18	1103	37	9
19	1122	54	66 (23)
20	1271	11	10
21	1201	16	16
22	1132	16	14
23	1173	22	15
24	1256	26	61 (7)
25	1180	20	32
26	1182	8	11
27	1122	34	22
28	1273	26	61 (26)
29	1208	25	20
30	1117	16	18
31	1216	44	39 (17)
32	1126	13	17
33	1151	17	11
34	1065	65	49 (21)
35	1190	35	34
36	1071	5	12
37	1151	9	16
39	1365	15	12
40	1117	7	4
41	1141	45	23
42	1126	5	4
43/45	1027	17	22
44	1047	8	10
47	1187	5	5
48	1134	4	3

Detailed Findings

Cell Number	Notes
Calibration	Cabrera Services, NIST-traceable standard: Am-241, 0.9904 μCi , 1 March 2006, FIDLER detector face – 4 inches above floor, at same location as background measurement at Shelter center by front door, and with source 2 inches from detector face. Gross count rate = 124,974 counts in a minute.
Calibration	Same configuration as above, but with smoke detector Am-241 source. Gross count rate = 8,152 counts in a minute. Inferred activity = 0.0553 μCi = 55.3 nCi.
4/8	On floor, against wall, in cell 4, bordering cell 8. FIDLER measurement 3500 counts in a minute, 0 counts in a minute α -radiation. Possibly isolated point source of contamination. Wipe collected: 210-4/8-Bias.
6/7	On floor, along fine crack in floor, FIDLER readings peak at a few locations along crack. Highest FIDLER reading = 6500 counts in a minute, at this location, highest α -radiation measurement = 324 counts in a minute. α -radiation at other locations: 35 and 55 counts in a minute. Wipe collected: 210-6/7-Bias.
16	On floor, isolated point, in fine crack, FIDLER reading = 2,800 counts in a minute, α -radiation measurement = 2 counts in a minute. Wipe collected: 210-16-Bias.
QC	QC check on the highest six measured α -radiation locations. Measurements were collected at 15:45, same day. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 30 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 08:50 to 10:05

Shelter Number: 211

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900

Cal. Date: 23 January 2007

Bkgd: 1394 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869

Cal. Date: 07 November 2006

Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for a small spot under the end of the launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. No elevated areas were identified. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. Equipment room was damp and was surveyed the next day. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1316	0	0
2	1223	3	2
3	1230	0	3
4	1344	2	1
5	1325	1	1
6	1181	4	4
7	1279	1	3
8	1345	3	8 (3)
9	1233	1	3
10	1180	1	0
11	1251	5	3 (2)
12	1278	2	5
13	1206	1	1
14	1202	2	2
15	1240	2	0
16	1293	2	1

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1256	3	3
18	1182	0	4 (1)
19	1149	1	2
20	1208	0	3
21	1239	1	2
22	1137	1	2
23	1151	1	2
24	1248	0	2
25	1204	2	3
26	1066	7	1 (0)
27	1066	2	2
28	1226	1	2
29	1099	2	1
30	1226	1	3
31	1153	2	3
32	1002	1	2
33	1091	8	3 (2)
34	1042	2	1
35	1112	3	1
36	1055	0	0
37	1103	1	2
39	1436	1	2
40	1338	2	0
41	1290	2	3
42	1225	2	4
43/45	1230	3	1
44	1218	0	0
47	1324	6	0
48	1269	3	2

Detailed Findings

Cell Number	Notes
QC	QC check on the five measured α -radiation locations. Measurements were collected at 11:41, 30 June 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds. Smoke detector source – one-minute count 7,916 @ 2” from detector.
48	By door @ concrete/metal threshold interface, 25 kcpm with FIDLER.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 28 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 14:30 to 16:30

Shelter Number: 212

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900

Cal. Date: 23 January 2007

Bkgd: 1241 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869

Cal. Date: 07 November 2006

Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some dead vegetation and sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for one small location at end of launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. No elevated areas were identified. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds, except for cell 1, which was integrated over one minute. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1299	3	3
2	1269	2	2
3	1350	1	3
4	1230	2	3
5	1261	0	1
6	1240	3	2
7	1252	2	1
8	1293	2	3 (1)
9	1338	2	3
10	1247	0	2
11	1282	2	3
12	1403	0	0
13	1260	0	3
14	1218	4	3 (0)
15	1241	1	1
16	1264	8	0

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1147	4	0
18	1181	0	0
19	1164	1	1
20	1271	1	0
21	1214	2	1
22	1131	1	1
23	1166	7	3 (5)
24	1298	2	4 (2)
25	1201	2	1
26	1114	3	1
27	1169	1	1
28	1265	1	0
29	1135	2	2
30	1253	1	0
31	1195	0	1
32	1073	0	0
33	1188	2	2
34	1143	0	2
35	1219	1	4 (3)
36	1101	0	0
37	1114	1	1
39	1305	4	4
40	1209	4	1
41	1197	0	0
42	1092	0	1
43/45	1100	2	0
44	1214	2	1
47	1114	1	0
48	1105	0	0

Detailed Findings

Cell Number	Notes
QC	QC check on the six measured α -radiation locations. Measurements were collected at, 29 June 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.

BOMARC Missile Shelter Radiological Data (Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 29 June 2007 Survey Personnel: 1Lt Joshua Hubbell & LtCol Steven Rademacher

Survey Time: 08:30 to 09:45 Shelter Number: 214

Survey Instruments: 1) Meter: Ludlum 2221, SN 169248 1) Probe: Bicron G5, SN 60005-2900
Cal. Date: 23 January 2007
Bkgd: 1298 counts (1 minute-integrated)

2) Meter: Ludlum 2360, SN 145470 2) Probe: Ludlum 43-89, SN 129869
Cal. Date: 07 November 2006
Bkgd: ~ 1 count (1 minute-integrated)

General Findings/Comments:

Bunker was filled with some sandy floor debris. Floor debris was carefully removed and collected for γ -spectroscopy analysis. The floor surface in the shelter was clear of oily deposits, except for one small location at end of launcher. The shelter concrete was smooth, while the concrete in the equipment room was considerably rougher. No elevated areas were identified. All in-situ FIDLER were integrated over a one-minute counting period. All α -radiation measurements were integrated over 30-seconds. The side walls of the shelter are concrete, while outer walls of the equipment room are concrete block. The floor of the equipment room was wet from overnight rain. The room was surveyed 14:40, 1 July 2007. Swipes were collected over 300 cm².

Specific Findings:

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
1	1335	0	1
2	1303	3	2
3	1231	1	4 (3)
4	1263	0	2
5	1222	0	2
6	1286	0	0
7	1227	4	4 (1)
8	1401	2	2
9	1162	1	2
10	1282	2	3
11	1290	1	1
12	1373	2	1
13	1361	4	1 (0)
14	1241	2	2
15	1175	1	1
16	1383	2	3

Cell Number	Integrated FIDLER Count	α -Radiation Counts	
		Before Abrasion	Post Abrasion
17	1267	2	1
18	1159	0	2
19	1191	0	1
20	1283	1	3
21	1240	2	1
22	1200	3	1
23	1202	3	0
24	1330	1	1
25	1233	4	2 (1)
26	1090	0	1
27	1165	1	2
28	1327	2	1
29	1062	2	2
30	1256	0	1
31	1026	3	2
32	1124	1	0
33	1132	0	1
34	1158	1	4 (2)
35	1173	1	1
36	1009	1	2
37	1259	0	1
39	1418	1	2
40	1390	0	1
41	1310	0	3
42	1405	4	4
43/45	1260	0	1
44	1283	1	1
47	1284	1	0
48	1185	2	2

Detailed Findings

Cell Number	Notes
QC	QC check on the six measured α -radiation locations. Measurements were collected at 13:30, 29 June 2007. Values in bolded parentheses. Measurements were integrated over 30-seconds.
Calibration	Calibration with smoke detector Am-241 source at two inches from detector = 8,030 cpm. Battery – 5.5 volts, HV – 797 volts, Threshold – 100, Window – 100.

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 March 2009 Survey Personnel: Capt Hubbell, TSgt Powers

Survey Time: 14:40 to 15:40

Shelter Number: 102

Survey Instruments: 1) Ludlum 2224 (S/N 125659) 1) Probe Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Integrated α -Radiation Count (30-second)	Cell Number	Integrated α -Radiation Count (30-second)
1	2	20	1
2	2	21	2
3	0	22	1
4	3	23	2
5	2	24	4
6	1	25	0
7	1	26	0
8	3	27	1
9	1	28	1
10	0	29	0
11	0	30	0
12	1	31	0
13	1	32	2
14	2	33	1
15	1	34	1
16	0	35	2
17	0	36	0
18	0	37	2
19	1		

Cell Number	Notes

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 March 2009 Survey Personnel: Capt Hubbell, TSgt Powers

Survey Time: 15:55 to 16:26

Shelter Number: 104

Survey Instruments: 1) Ludlum 2224 (S/N 125659) 1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Integrated α -Radiation Count (30-second)	Cell Number	Integrated α -Radiation Count (30-second)
1	2	20	2
2	0	21	0
3	1	22	3
4	2	23	1
5	0	24	0
6	3	25	1
7	0	26	1
8	1	27	1
9	1	28	0
10	4	29	1
11	2	30	0
12	0	31	2
13	2	32	0
14	2	33	1
15	1	34	2
16	4	35	0
17	0	36	1
18	1	37	1
19	1		

Cell Number	Notes

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 5 March 2009 Survey Personnel: Capt Hubbell, TSgt Powers

Survey Time: 12:20 to 12:45

Shelter Number: 121

Survey Instruments: 1) Ludlum 2224 (S/N 125659) 1) Probe Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Integrated α -Radiation Count (30-second)	Cell Number	Integrated α -Radiation Count (30-second)
1	0	20	1
2	0	21	4
3	0	22	0
4	2	23	0
5	2	24	1
6	0	25	2
7	1	26	3
8	0	27	1
9	1	28	2
10	1	29	1
11	2	30	1
12	1	31	2
13	2	32	0
14	2	33	2
15	1	34	2
16	2	35	3
17	0	36	2
18	1	37	0
19	0		

Cell Number	Notes

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 5 March 2009 Survey Personnel: Capt Hubbell, TSgt Powers

Survey Time: 10:55 to 11:20

Shelter Number: 125

Survey Instruments: 1) Ludlum 2224 (S/N 125659) 1) Probe Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Integrated α -Radiation Count (30-second)	Cell Number	Integrated α -Radiation Count (30-second)
1	Snow/Dirt	20	0
2	Snow/Dirt	21	1
3	Snow/Dirt	22	1
4	Snow/Dirt	23	1
5	3	24	1
6	1	25	1
7	1	26	3
8	0	27	2
9	1	28	0
10	0	29	1
11	0	30	3
12	0	31	1
13	1	32	1
14	0	33	1
15	0	34	0
16	1	35	0
17	1	36	2
18	1	37	0
19	0		

Cell Number	Notes

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 5 March 2009 Survey Personnel: Capt Hubbell, TSgt Powers

Survey Time: 11:37 to 12:05

Shelter Number: 126

Survey Instruments: 1) Ludlum 2224 (S/N 125659) 1) Probe Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 08

Cal. Date: 1 Dec 08

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Integrated α -Radiation Count (30-second)	Cell Number	Integrated α -Radiation Count (30-second)
1	0	20	0
2	1	21	0
3	1	22	0
4	0	23	0
5	0	24	1
6	1	25	0
7	0	26	3
8	2	27	1
9	1	28	0
10	2	29	3
11	3	30	0
12	0	31	0
13	0	32	2
14	0	33	2
15	0	34	2
16	2	35	0
17	0	36	0
18	2	37	0
19	0		

Cell Number	Notes

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 27 Aug 07 Survey Personnel: LtCol Steven Rademacher

Survey Time: 14:00 to 15:30

Shelter Number: 201

Survey Instruments: 1) Meter: Ludlum 2360 (145470) 1) Probe: Ludlum 43-89 (129869)

Cal. Date: 07 Nov 06

Cal. Date: 07 Nov 06

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)
Area: 125 cm²

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (One-Minute)	Cell Number	Integrated α -Radiation Count Scanning (One-Minute)
1	0	24	1
2	6	25	1
3	2	26	1
4	4	27	2
5	2	28	0
6	0	29	1
7	4	30	2
8	4	31	0
9	1	32	3
10	2	33	5
11	1	34	3
12	3	35	3
13	0	36	4
14	3	37	0
15	1	39	2
16	2	40	4
17	1	41	3
18	3	42	6
19	1	43/45	5
20	2	44	3
21	3	47	3
22	7	48	6
23	2		

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 15 Aug 07 Survey Personnel: LtCol Steven Rademacher

Survey Time: 08:00 to 10:00

Shelter Number: 203

Survey Instruments: 1) Meter: Ludlum 2360 (141310) 1) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)
Area: 125 cm²

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (One-Minute)	Cell Number	Integrated α -Radiation Count Scanning (One-Minute)
1	5	24	8
2	1	25	2
3	3	26	1
4	5	27	4
5	3	28	4
6	6	29	2
7	5	30	1
8	5	31	2
9	5	32	2
10	6	33	2
11	7	34	2
12	10	35	5
13	3	36	1
14	5	37	0
15	2	39	2
16	7	40	5
17	5	41	3
18	3	42	6
19	0	43/45	9
20	7	44	12
21	3	47	21
22	2	48	4
23	5		

Specific Findings:

Cell Number	Notes
44/47	Border of the two cells, about two feet from outside wall. 96 cpm with 43-89 probe of elevated count rate, but not from a single discrete location, based on instrument response. Wipe collected over 100 cm ² , WW071484. 44-3 response to center of area, on contact, 28 cpm. Adjacent area wo/significant α -response, 20 cpm with 44-3, on contact. Swipe result: 17.6 + 1.2 pCi (α) & 2.7 + 0.5 (β), 27 Aug 07. Comparison of total vs. removable. Total = 406 dpm/100 cm ² , removable = 39.1 dpm/100 cm ² , removable fraction = 9.6 %.
2/3, by Door	5 minute α -radiation count, 27 cpm.

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 Sep 07
14 Sep 07

Survey Personnel: LtCol Steven Rademacher
Capt James Fyffe

Survey Time: 15:40 to 16:30
10:00 to 10:30

Shelter Number: 208

Survey Instruments: 1) Meter: Ludlum 2360 (141310)

1) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)
Area: 125 cm²

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (One-Minute)	Cell Number	Integrated α -Radiation Count Scanning (One-Minute)
1	2	24	4
2	3	25	6
3	8	26	4
4	10	27	4
5	3	28	2
6	3	29	2
7	3	30	2
8	5	31	7
9	1	32	3
10	8	33	8
11	10	34	2
12	0	35	2
13	5	36	2
14	4	37	1
15	3	39	1
16	5	40	2
17	2	41	7
18	7	42	3
19	3	43/45	4
20	6	44	1
21	6	47	0
22	5	48	1
23	3		

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 13 Sep 07

Survey Personnel: LtCol Steven Rademacher
Capt James Fyffe

Survey Time: 11:00 to 12:30

Shelter Number: 209

Survey Instruments: 1) Meter: Ludlum 2360 (141310)

1) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)
Area: 125 cm²

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (One-Minute)	Cell Number	Integrated α -Radiation Count Scanning (One-Minute)
1	1	24	4
2	5	25	3
3	10	26	6
4	5	27	3
5	3	28	1
6	2	29	4
7	8	30	1
8	13	31	3
9	4	32	3
10	1	33	5
11	8	34	0
12	10	35	1
13	3	36	2
14	2	37	4
15	2	39	1
16	6	40	0
17	5	41	2
18	7	42	3
19	3	43/45	6
20	0	44	2
21	2	47	1
22	3	48	2
23	4		

Specific Findings:

Cell Number	Notes
7/8	Border of the two cells, somewhat in the middle. Elevated area approximately one square foot, with a couple of small sub-areas with depressions in concrete. Five measurements with one-minute scalar measurements yielded w/ 43-89: 181 cpm, 136 cpm, 66 cpm, 160 cpm, and 129 cpm, for an average of 134 cpm. Area planned for scabbling.

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 14 Aug 07 Survey Personnel: LtCol Steven Rademacher

Survey Time: 13:15 to 14:30

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2360 (141310) 1) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (One-Minute)	Cell Number	Integrated α -Radiation Count Scanning (One-Minute)
1	22	24	20
2	15	25	9
3	18	26	8
4	12	27	11
5	5	28	17
6	13	29	12
7	17	30	8
8	16	31	14
9	10	32	16
10	6	33	10
11	8	34	17
12	26	35	13
13	6	36	3
14	19	37	6
15	11	39	5
16	13	40	1
17	12	41	3
18	10	42	1
19	14	43/45	1
20	16	44	2
21	12	47	1
22	2	48	3
23	9		

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters, Walls and Launcher)

Survey Date: 14 Aug 07 Survey Personnel: Capt James Fyffe

Survey Time: 12:50 to 16:00

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2360 (141310) 1) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: ~ 1 cpm

Efficiency: (α) – 18.9 % (@ ¼", 4 π)

2) Meter: Ludlum 2221 (97838) 2) Probe: Bicron G-5 (60005-2918)

Cal. Date: 09 Aug 07

Cal. Date: 09 Aug 07

Bkgd: 1459 cpm (window-in)

Specific Findings:

Cell Number	Integrated α -Radiation Count Scanning (30-seconds)	Cell Number	Integrated α -Radiation Count Scanning (30 seconds)
1	Door and wall inaccessible because the door was fully open	20	1
2		21	2
3	0	22	NA
4	0	23	NA
5	4	24	4
6	NA	25	1
7	NA	26	NA
8	0	27	NA
9	1	28	0
10	NA	29	1
11	NA	30	0
12	0	31	0
13	2	32	4
14	NA	33	0
15	NA	34	0
16	2	35	0
17	0	36	Door – 0, wall – 0
18	NA	37	Door – 0, wall – 0
19	NA		

Specific Findings:

Cell Number	Notes
Main Shelter	The integrated scanning information listed on the table is for the bottom 2.5 feet of concrete on the walls and the doors associated with individual cells. 30-second integrated counts were collected.
	Scanning of the upper concrete ledge along the two lengths of the shelter was accomplished with a FIDLER and 43-89 α -radiation instrument. The scans were unremarkable, except for three locations with 170, 190, and 170 cpm, with the 43-89 (α -radiation mode). All three locations were in close proximity to one another, above from cell 12. A simple paint brush removal was attempted unsuccessfully. It appears the particles are fixed.
4, 8, 12, 16, 1, 5, 9, and 13	The concrete walls were scanned to a height of four feet with the 43-89, with unremarkable findings.
Launcher Structure	Accessible surfaces of the launcher were scanned with a FIDLER and a 43-89. The findings were unremarkable.

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 3 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 14:55 to 15:22

Shelter Number: 201

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	0	WW092010
1FW	0	
1SW	0	
2P	2	WW092011
2FW	0	
2SW	0	
3P	0	WW092012
3SW	0	
4P	1	WW092013
4SW	0	
5P	0	WW092014
5SW	0	
6P	0	WW092015
6SW	0	
7P	0	WW092016
7SW	1	
8P	0	WW092017
8SW	0	
9P	0	WW092018
9SW	0	
9BW	0	
10P	0	WW092019
10SW	1	
10BW	1	

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 3 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 15:28 to 15:58

Shelter Number: 203

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	0	WW092020
1FW	0	
1SW	0	
2P	0	WW092021
2FW	0	
2SW	0	
3P	0	WW092022
3SW	0	
4P	0	WW092023
4SW	0	
5P	0	WW092024
5SW	0	
6P	0	WW092025
6SW	1	
7P	0	WW092026
7SW	0	
8P	0	WW092027
8SW	0	
9P	0	WW092028
9SW	0	
9BW	0	
10P	1	WW092029
10SW	0	
10BW	0	

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 3 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 09:40 to 10:21

Shelter Number: 205

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	1	WW092030
1FW	1	
1SW	0	
2P	0	WW092031
2FW	0	
2SW	0	
3P	2	WW092032
3SW	0	
4P	0	WW092033
4SW	2	
5P	1	WW092034
5SW	1	
6P	1	WW092035
6SW	1	
7P	0	WW092036
7SW	0	
8P	0	WW092037
8SW	0	
9P	0	WW092038
9SW	0	
9BW	0	
10P	1	WW092039
10SW	0	
10BW	0	

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 3 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 14:00 to 14:40

Shelter Number: 208

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	0	WW092000
1FW	2	
1SW	3	
2P	2	WW092001
2FW	2	
2SW	0	
3P	0	WW092002
3SW	0	
4P	0	WW092003
4SW	0	
5P	0	WW092004
5SW	0	
6P	0	WW092005
6SW	1	
7P	0	WW092006
7SW	0	
8P	0	WW092007
8SW	0	
9P	0	WW092008
9SW	1	
9BW	0	
10P	0	WW092009
10SW	0	
10BW	0	

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 4 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 10:25 to 10:56

Shelter Number: 209

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	3	WW092040
1FW	0	
1SW	0	
2P	0	WW092041
2FW	0	
2SW	0	
3P	4	WW092042
3SW	0	
4P	2	WW092043
4SW	0	
5P	2	WW092044
5SW	0	
6P	1	WW092045
6SW	0	
7P	1	WW092046
7SW	0	
8P	0	WW092047
8SW	0	
9P	1	WW092048
9SW	1	
9BW	0	
10P	0	WW092049
10SW	0	
10BW	2	

BOMARC Missile Shelter Pit Radiological Data Form
(Type A Shelter, Liquid-Fueled, 200 Series Shelters)

Survey Date: 4 Mar 09

Survey Personnel: Capt Hubbell & TSgt Powers

Survey Time: 13:20 to 13:50

Shelter Number: 210

Survey Instruments: 1) Ludlum 2224 (137727) 1) Ludlum 43-89 (173343)

Cal. Date: 12 Jan 09

Cal. Date: 12 Jan 09

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Static α -Radiation Count (30-second)	Wipe Sample Number
1P	3	WW092050
1FW	0	
1SW	0	
2P	Damp (Not Measured)	Not Measured
2FW	0	
2SW	0	
3P	94	WW092052
3SW	4	
4P	Damp (Not Measured)	Not Measured
4SW	0	
5P	7	WW092054
5SW	0	
6P	0	WW092055
6SW	0	
7P	15	WW092056
7SW	1	
8P	7	WW09257
8SW	0	
9P	0	WW092058
9SW	0	
9BW	0	
10P	7	WW092059
10SW	0	
10BW	0	

BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 6 March 2009 Survey Personnel: A1C Nathan Harper, SSgt Ashlie Steele,
A1C Christine Stuart

Survey Time: 10:36 to 11:30

Shelter Number: 201

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
Border of 9 & 13	One discrete location, 31 cpm
Border of 20 & 24	One discrete location, 32 cpm
34	One discrete location, 53 cpm

BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 6 March 2009 Survey Personnel: A1C Nathan Harper, SSgt Ashlie Steele,
A1C Christine Stuart

Survey Time: 10:36 to 11:30

Shelter Number: 203

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
13	One discrete location, 36 cpm

**BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)**

Survey Date: 6 March 2009 Survey Personnel: SSgt Delaney Green, SSgt Amanda Aldaco,
SrA Jasmine Rosario

Survey Time: 12:00 to 13:47

Shelter Number: 205

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
	No findings of elevated count rates above background

**BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)**

Survey Date: 6 March 2009 Survey Personnel: SSgt Delaney Green, SSgt Amanda Aldaco,
SrA Jasmine Rosario

Survey Time: 12:00 to 13:47

Shelter Number: 207

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
	No findings of elevated count rates above background

BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 6 March 2009 Survey Personnel: A1C Nathan Harper, SSgt Ashlie Steele,
A1C Christine Stuart

Survey Time: 10:36 to 11:30

Shelter Number: 208

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

Cell Number	Measurement Information
25	One discrete location, 66 cpm

BOMARC Missile Shelter Radiological Data Form for Concrete Ledge Surveys (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 6 March 2009 Survey Personnel: SSgt Delaney Green, SSgt Amanda Aldaco,
SrA Jasmine Rosario

Survey Time: 12:00 to 13:47

Shelter Number: 209

Survey Instruments: 1) Ludlum 2224 (S/N 125659)

1) Ludlum 43-89 (S/N 172257)

Cal. Date: 1 Dec 2008

Cal. Date: 1 Dec 2008

Bkgd: ~ 1 cpm

2) Ludlum 2224 (S/N 125610)

2) Ludlum 43-89 (S/N 143633)

Cal. Date: 2 Dec 2008

Cal. Date: 2 Dec 2008

Bkgd: ~ 1 cpm

Specific Findings:

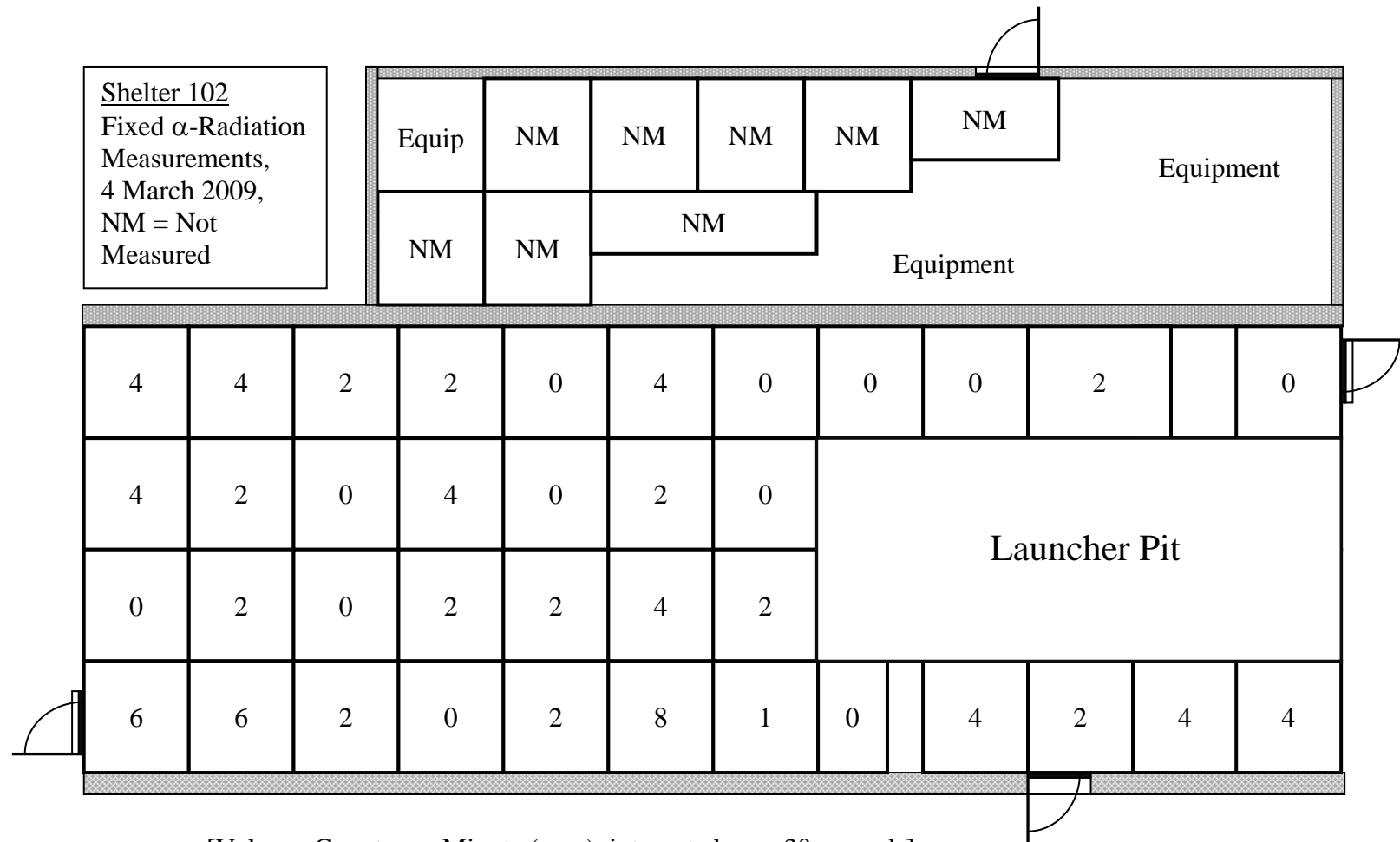
Cell Number	Measurement Information
	No findings of elevated count rates above background

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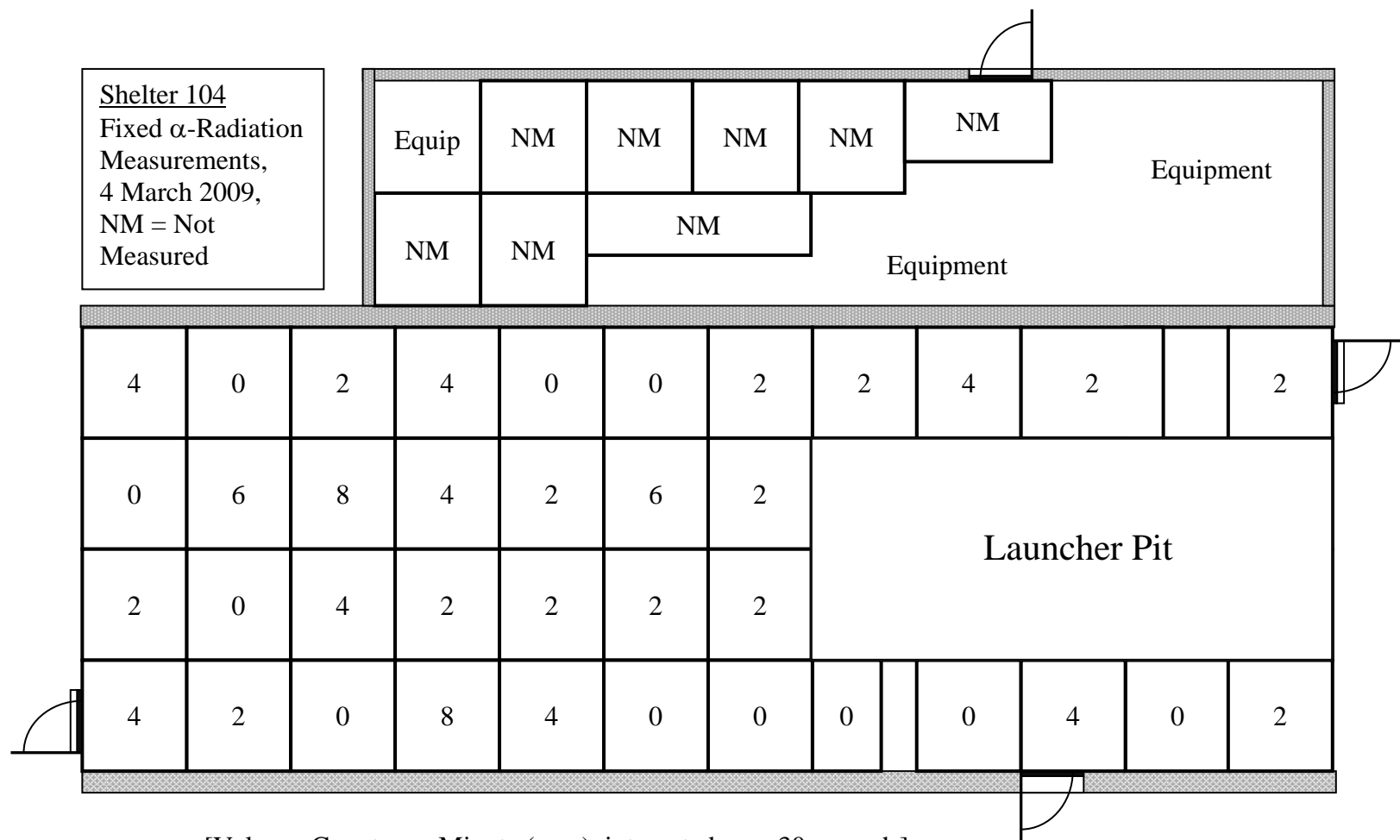
Appendix F

Shelter Floor and Pits Contamination Survey Maps

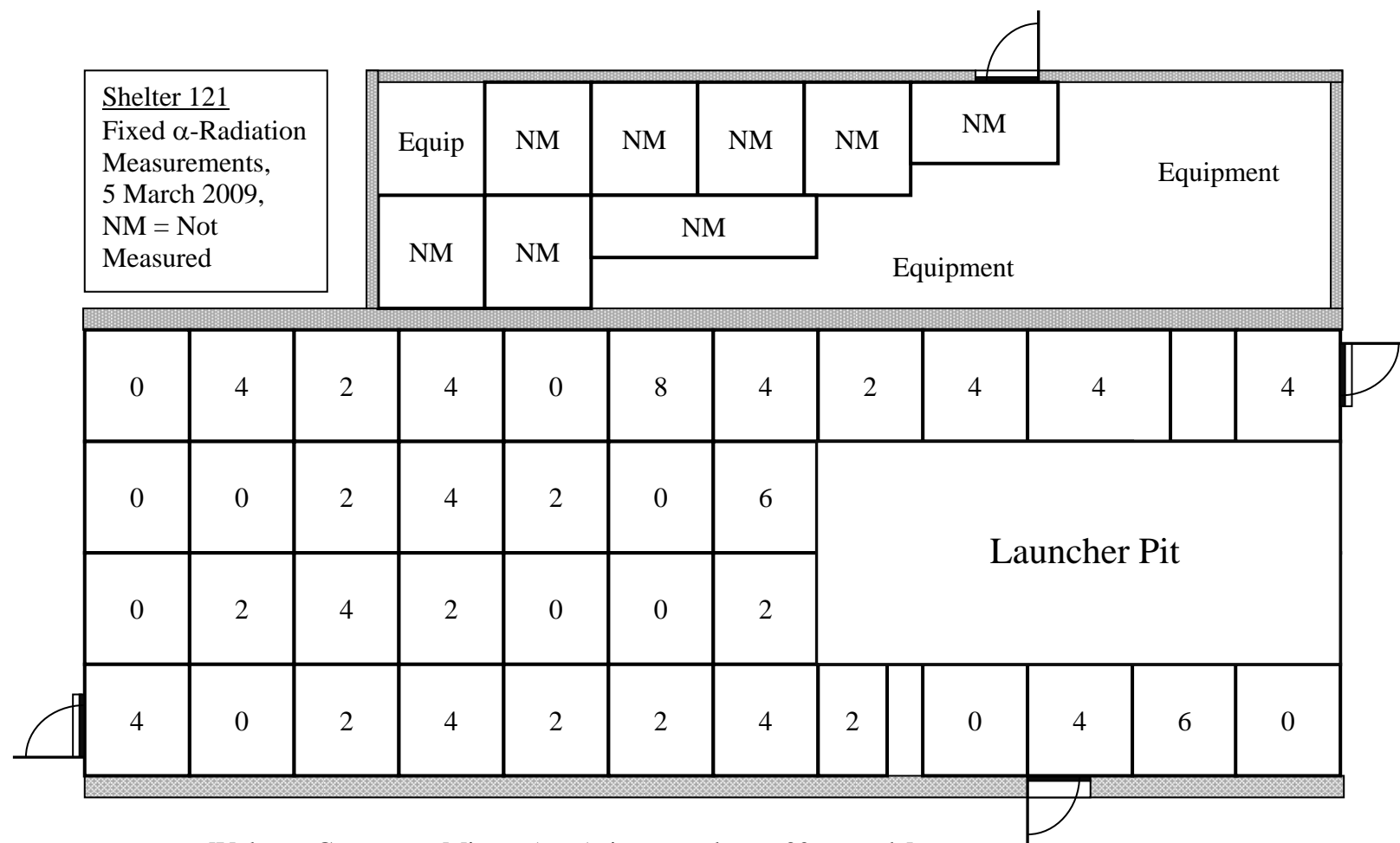
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[Values: Counts per Minute (cpm), integrated over 30 seconds]



[Values: Counts per Minute (cpm), integrated over 30 seconds]



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 125
Fixed α -Radiation
Measurements,
5 March 2009,
NM = Not
Measured

Shelter 125
Fixed α -Radiation
Measurements,
5 March 2009,
NM = Not
Measured

Equip	NM	NM	NM	NM	NM	Equipment
NM	NM	NM		Equipment		

NM	6	2	2	2	2	2	2	2	2		4	
NM	2	0	0	2	2	6	Launcher Pit					
NM	2	0	0	0	2	4						
NM	0	0	2	0	2	0	6		2	0	0	0

[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 126
 Fixed α -Radiation
 Measurements,
 5 March 2009,
 NM = Not
 Measured

Shelter 126
Fixed α -Radiation
Measurements,
5 March 2009,
NM = Not
Measured

Equip	NM	NM	NM	NM	NM	Equipment
NM	NM	NM		Equipment		

0	0	2	0	0	0	0	6	0	4		0	
2	2	4	0	4	0	6	Launcher Pit					
2	0	6	0	0	0	2						
0	4	0	4	0	2	0	0		4	4	0	0

[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 201
Fixed α -Radiation
Measurements,
Before Abrasion,
31 July 2007

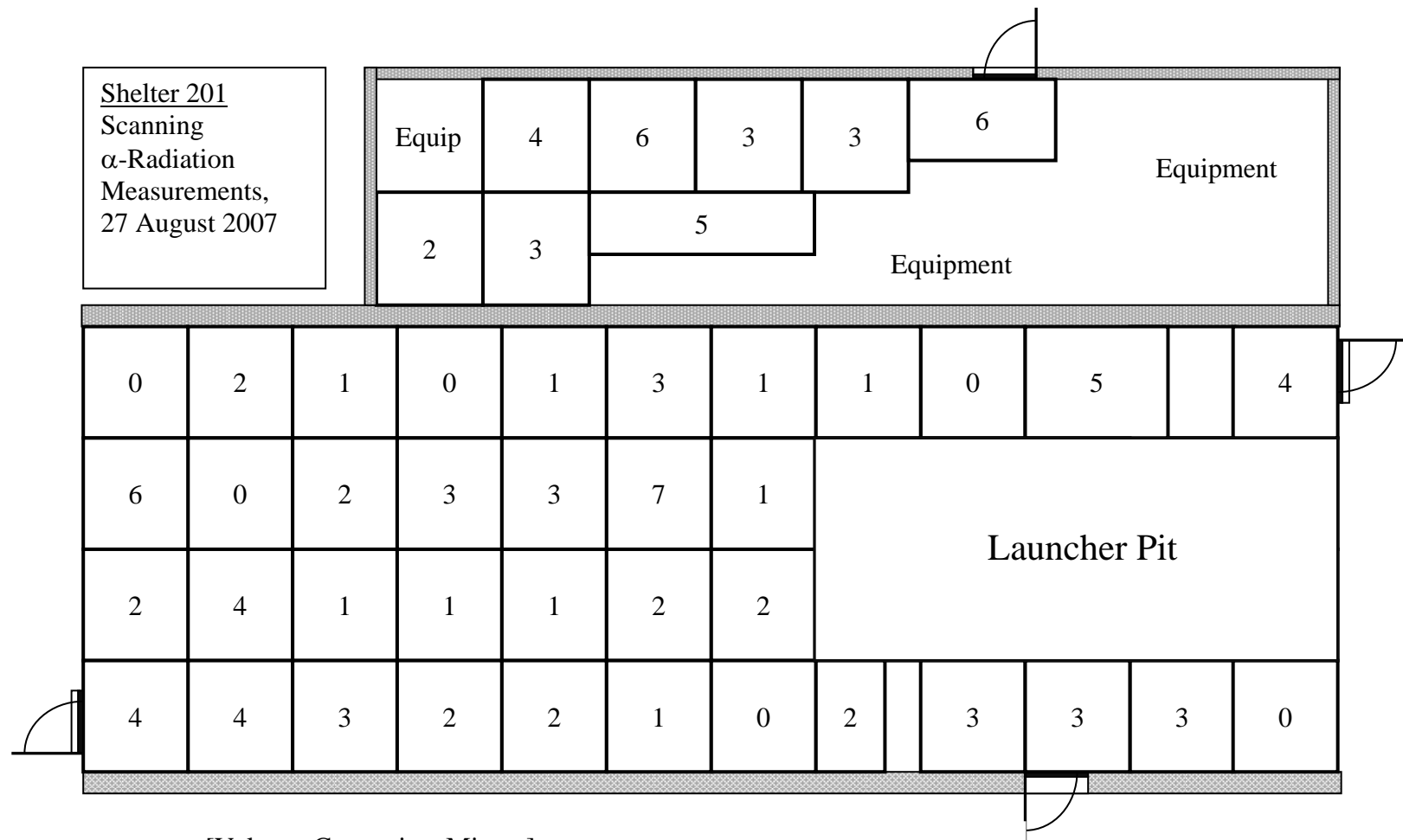
Shelter 201
Fixed α -Radiation
Measurements,
Before Abrasion,
31 July 2007

Equip	0	4	0	2	4	Equipment
8	0	4		Equipment		

6	6	4	0	4	2	2	6	0	2		4	
14	8	2	2	0	6	10	Launcher Pit					
12	0	6	2	4	2	0						
6	6	4	4	4	6	2	0		6	6	4	2

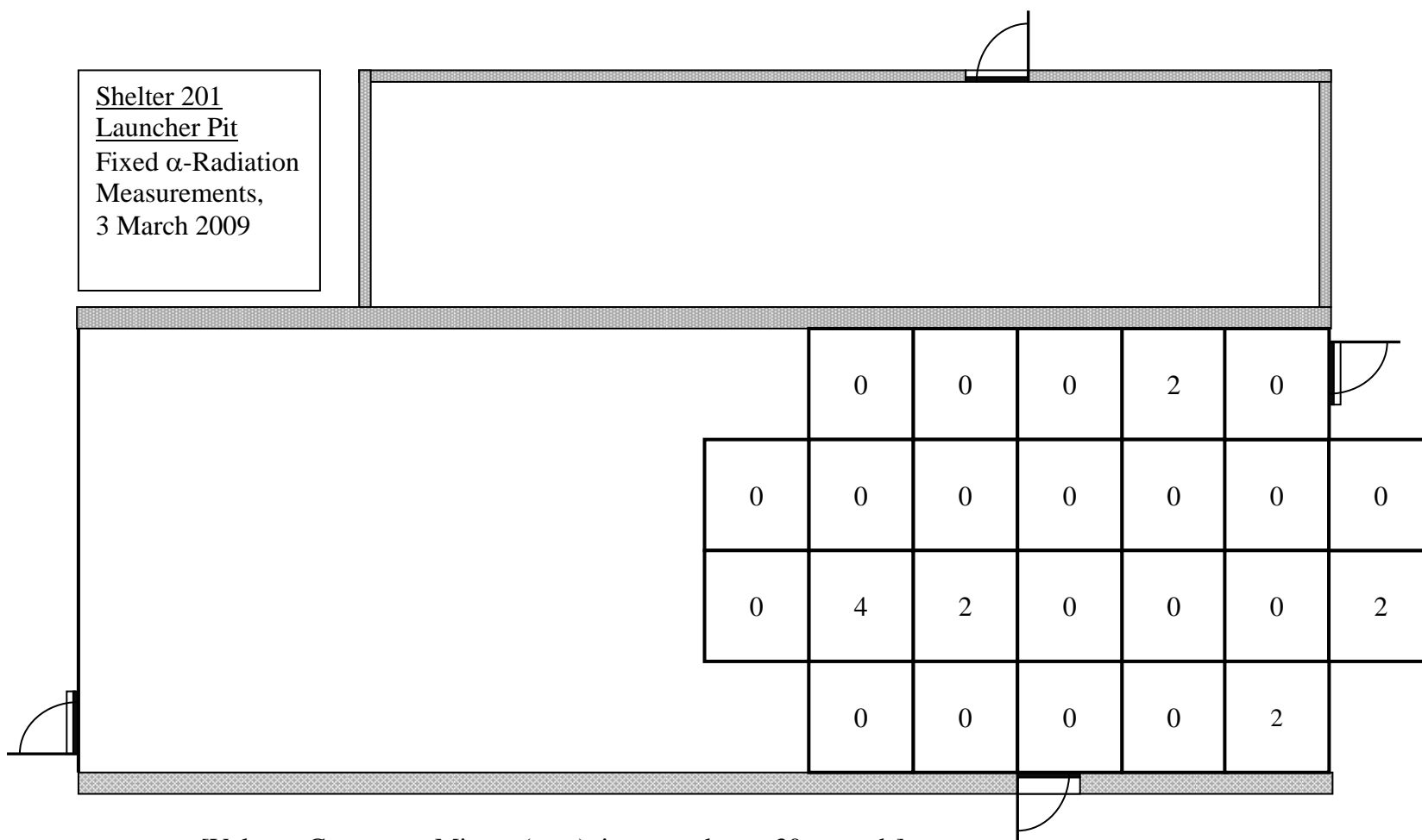
[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 201
Scanning
 α -Radiation
Measurements,
27 August 2007

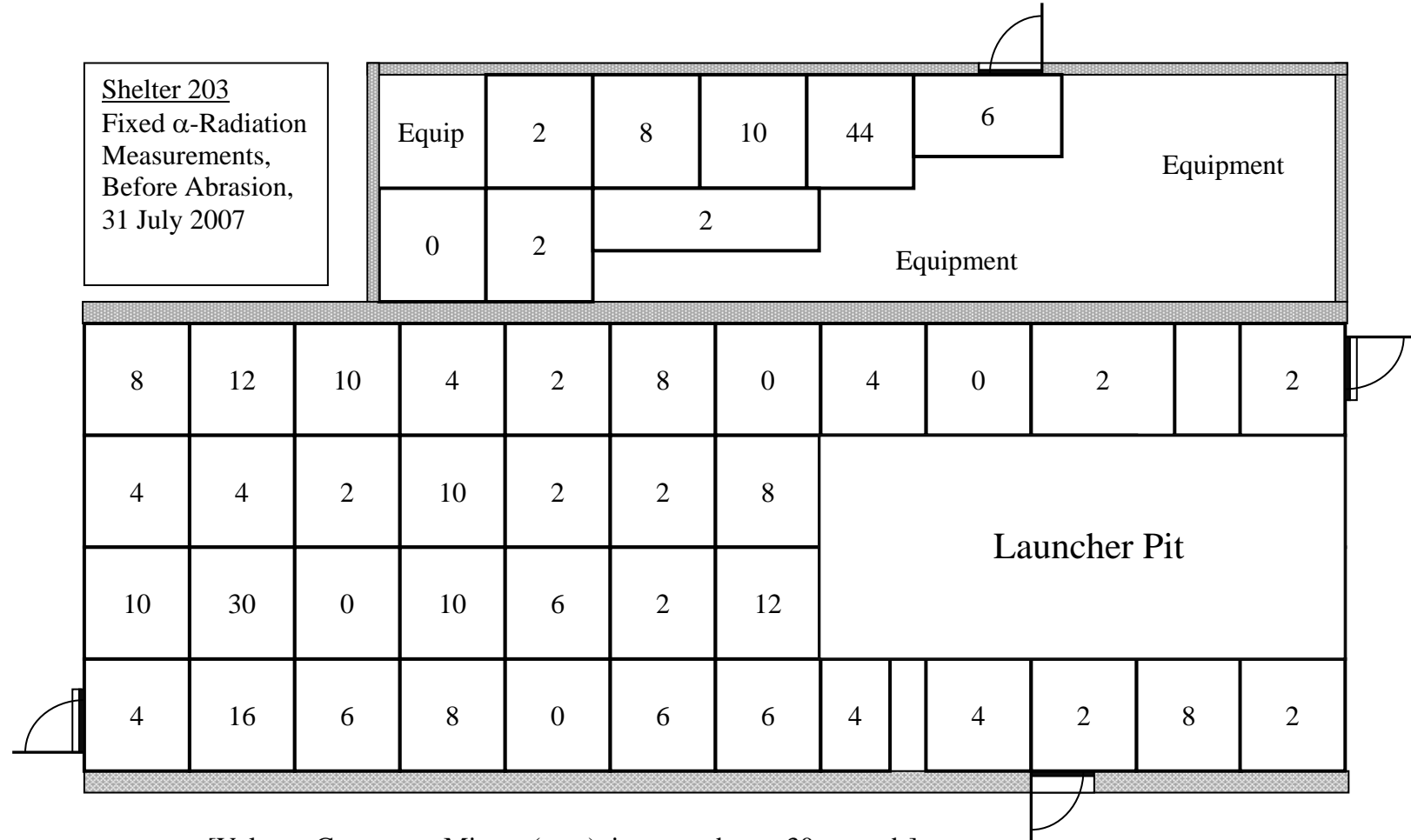


[Values: Counts in a Minute]

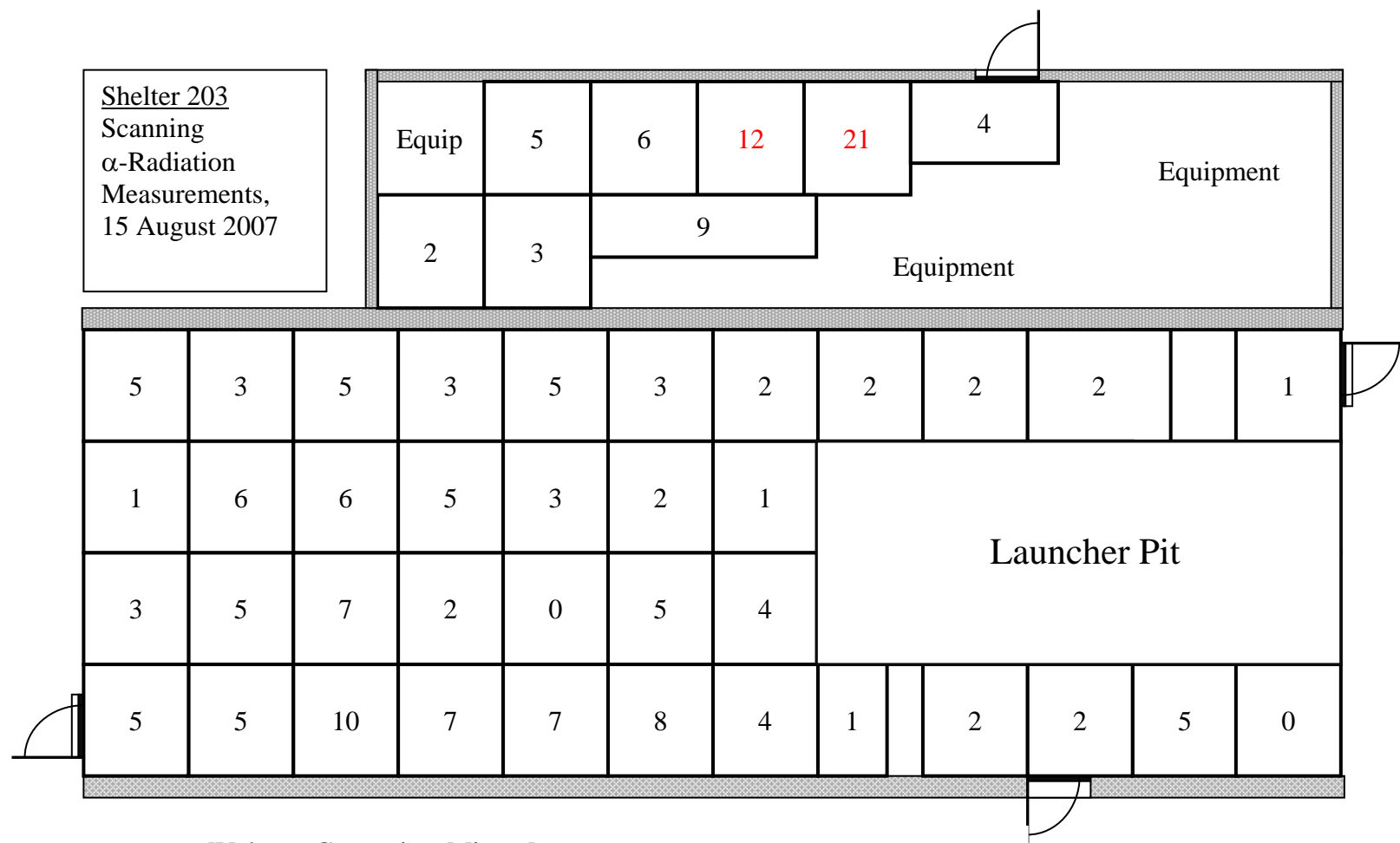
Shelter 201
 Launcher Pit
 Fixed α -Radiation
 Measurements,
 3 March 2009



[Values: Counts per Minute (cpm), integrated over 30 seconds]



[Values: Counts per Minute (cpm), integrated over 30 seconds]



[Values: Counts in a Minute]

[Values in red, cells 44 & 47, biased high from elevated contamination area. Minor remedial action to elevated area was accomplished].

Shelter 203
Launcher Pit
Fixed α -Radiation
Measurements,
3 March 2009

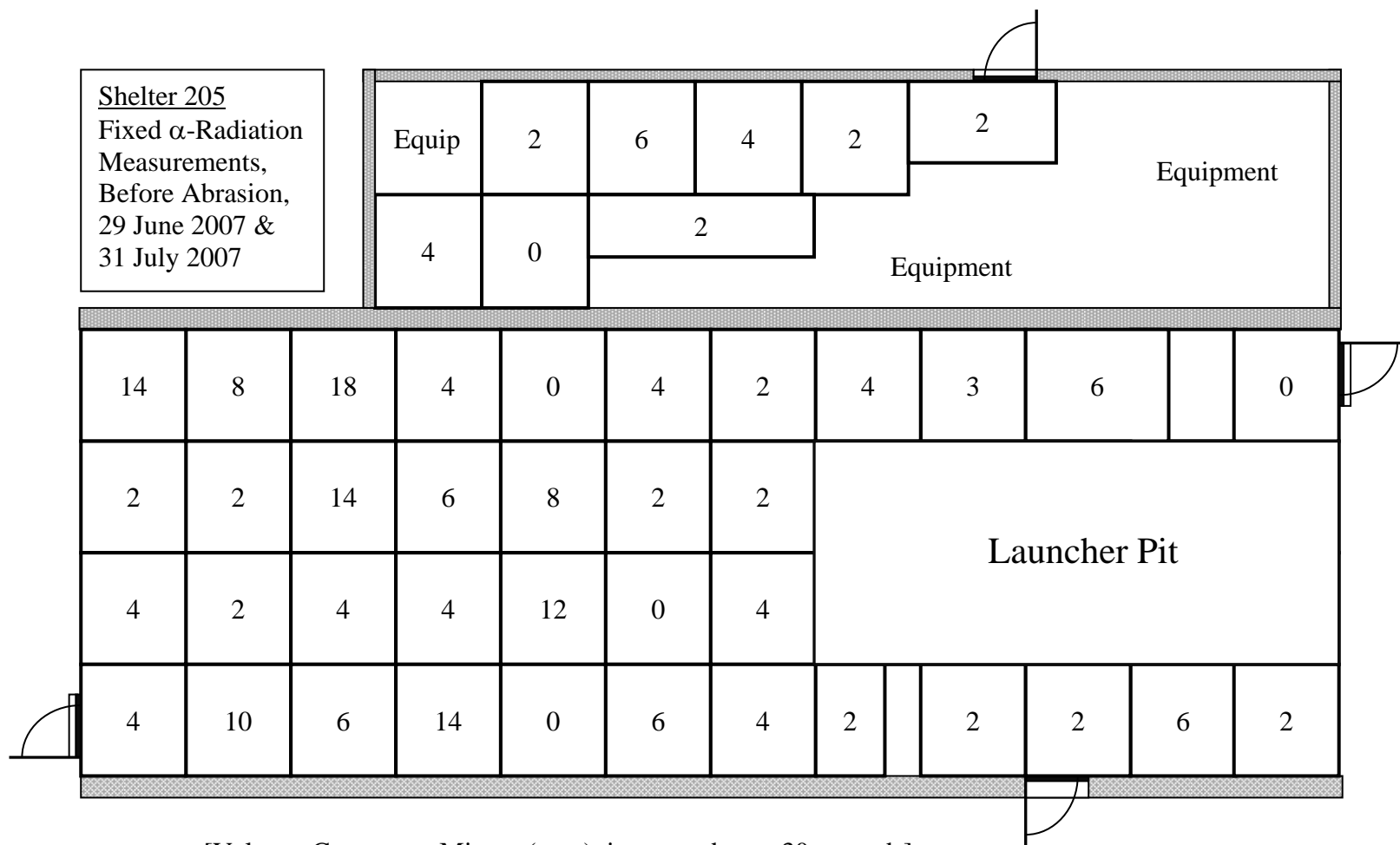
**Shelter 203
Launcher Pit**
Fixed α -Radiation
Measurements,
3 March 2009

		0	0	0	2	0
	0	0	0	0	0	0
	0	0	0	0	1	0
		0	0	2	0	0

Values: Counts per Minute (cpm), integrated over 20 seconds.

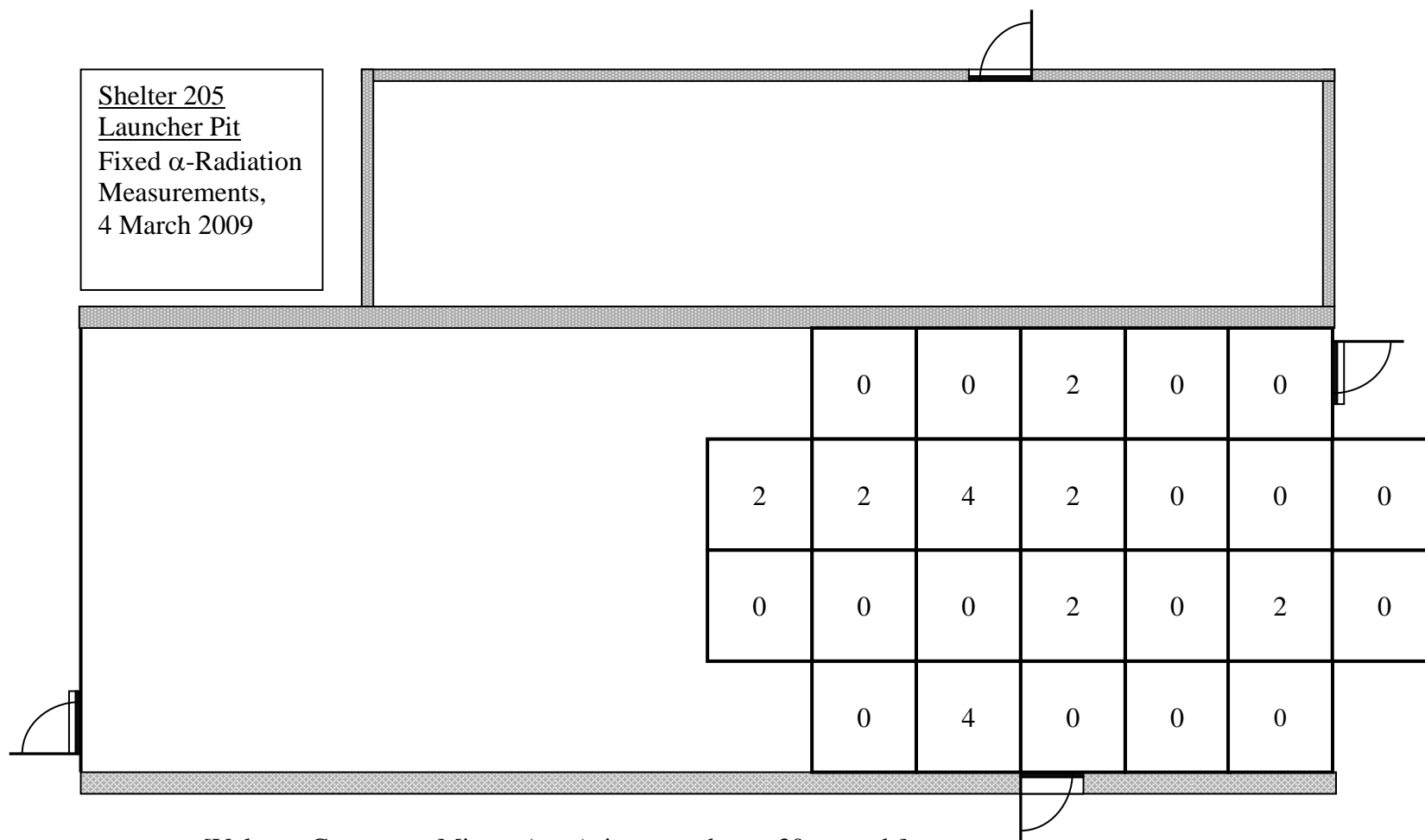
[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 205
Fixed α -Radiation
Measurements,
Before Abrasion,
29 June 2007 &
31 July 2007



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 205
Launcher Pit
Fixed α -Radiation
Measurements,
4 March 2009



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 207
Fixed α -Radiation
Measurements,
Before Abrasion,
30 June 2007

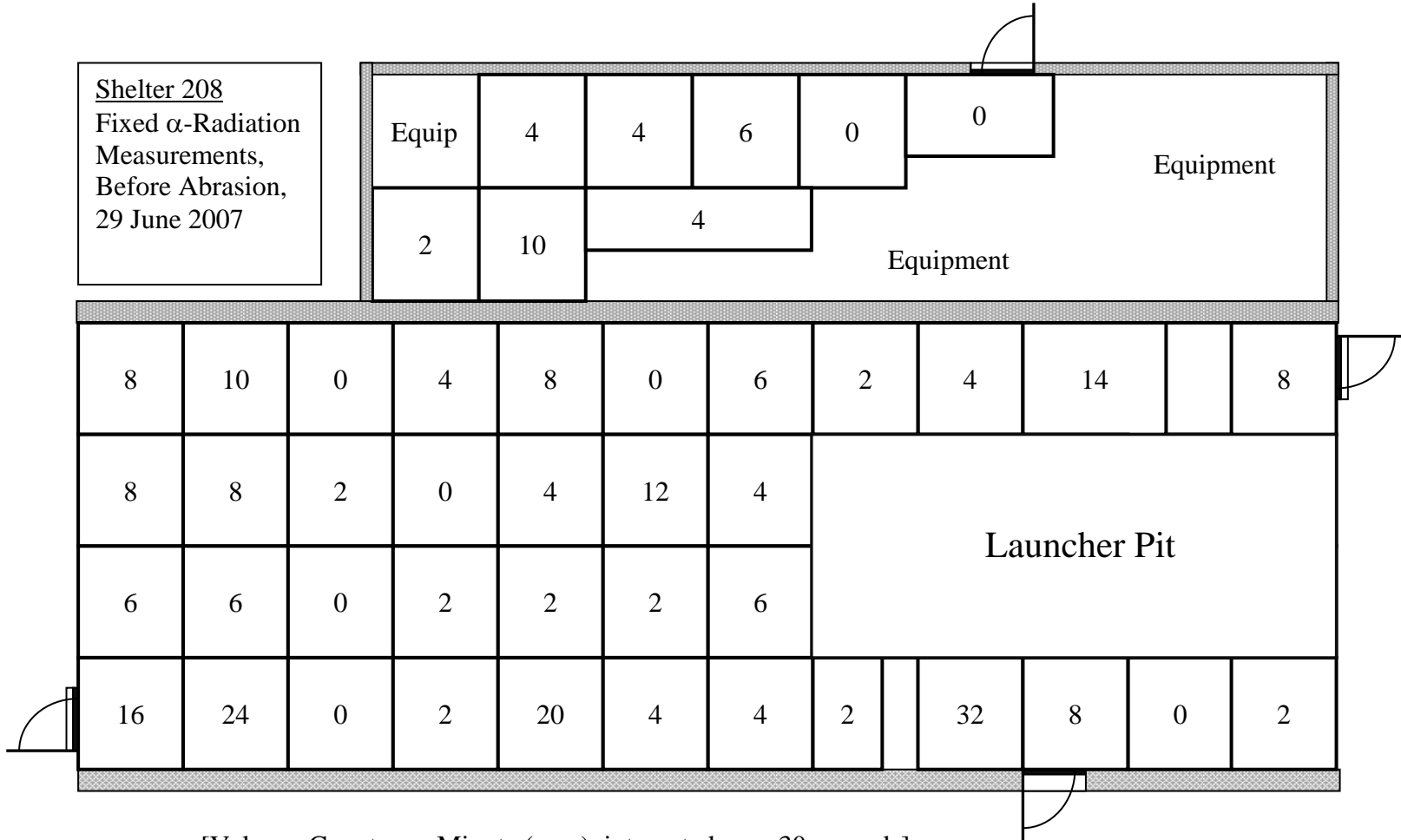
Shelter 207
Fixed α -Radiation
Measurements,
Before Abrasion,
30 June 2007

Equip	4	2	4	22	8	Equipment
2	4	0		Equipment		

4	4	8	0	2	4	4	2	4	4		8	
4	0	6	0	0	2	4	Launcher Pit					
0	2	6	0	6	2	0						
0	4	4	4	6	2	2	0		4	2	4	4

[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 208
Fixed α -Radiation
Measurements,
Before Abrasion,
29 June 2007



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 208
Scanning
 α -Radiation
Measurements,
13 & 14
September 2007

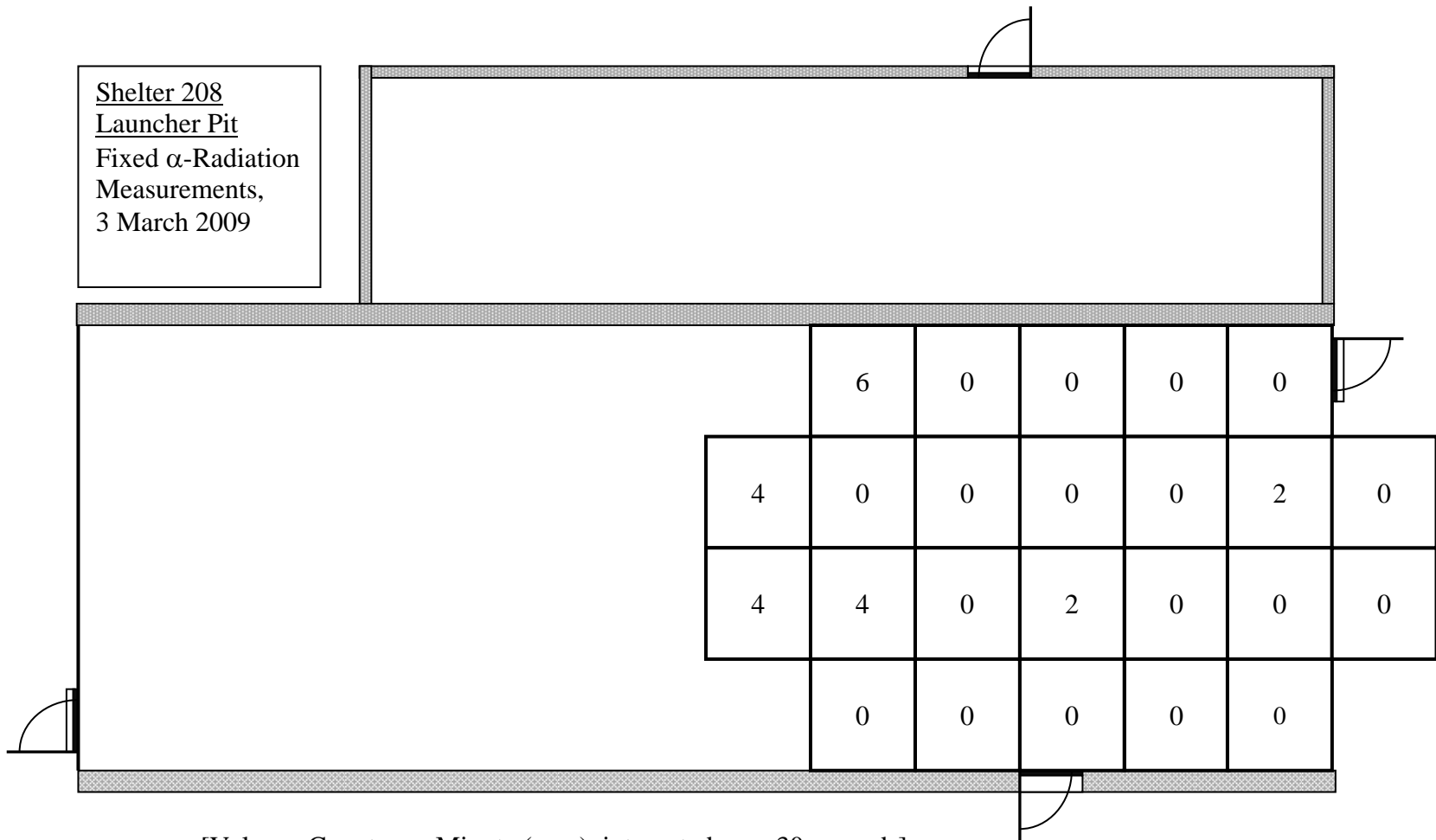
Shelter 208
Scanning
 α -Radiation
Measurements,
13 & 14
September 2007

Equip	2	3	1	0	1	Equipment
1	7	4		Equipment		

2	3	1	5	2	6	6	2	7	8		2	Launcher Pit
3	3	8	4	7	5	4						
8	3	10	3	3	3	4						
10	5	0	5	6	4	2	2		3	2	2	

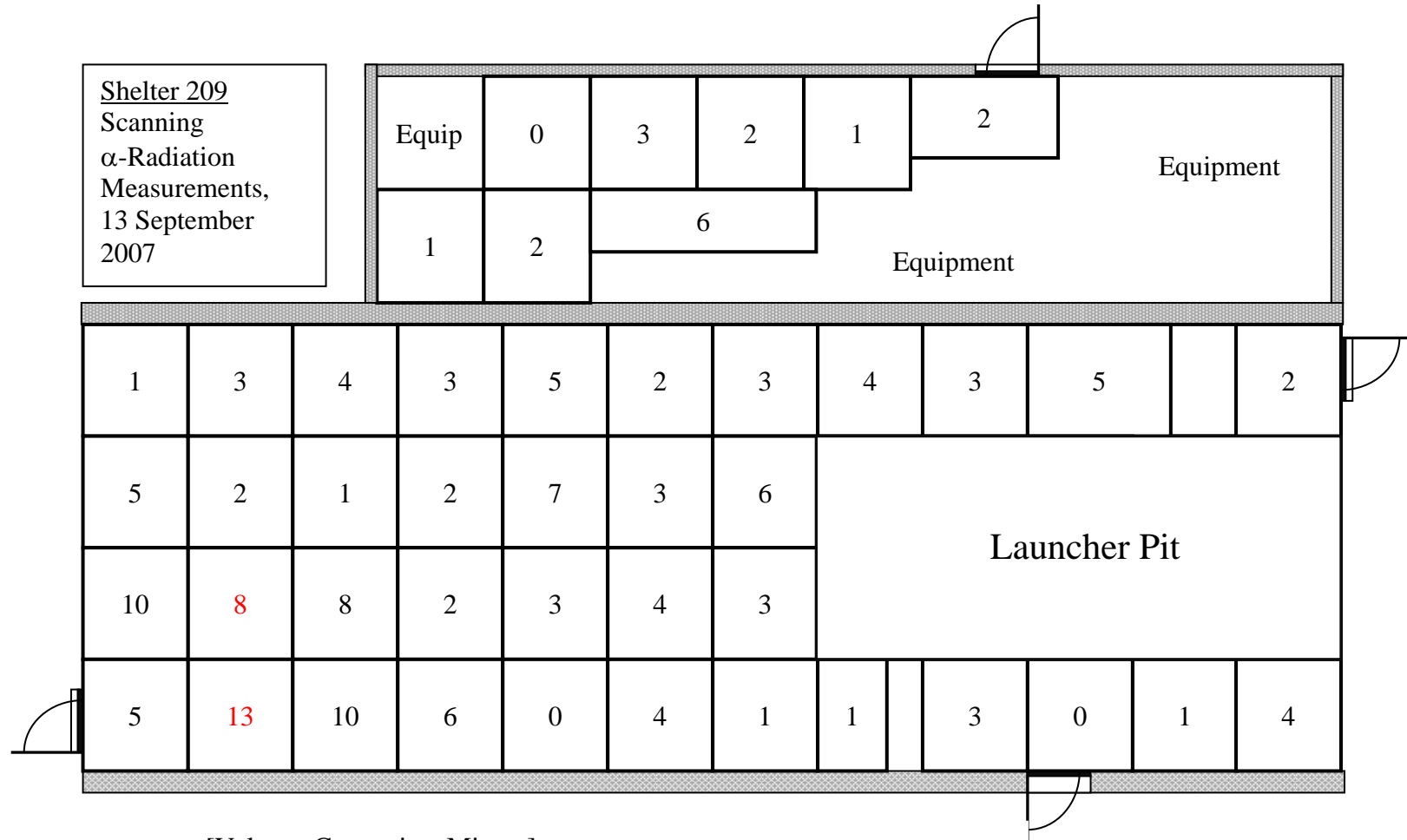
[Values: Counts in a Minute]

Shelter 208
 Launcher Pit
 Fixed α -Radiation
 Measurements,
 3 March 2009



[Values: Counts per Minute (cpm), integrated over 30 seconds]

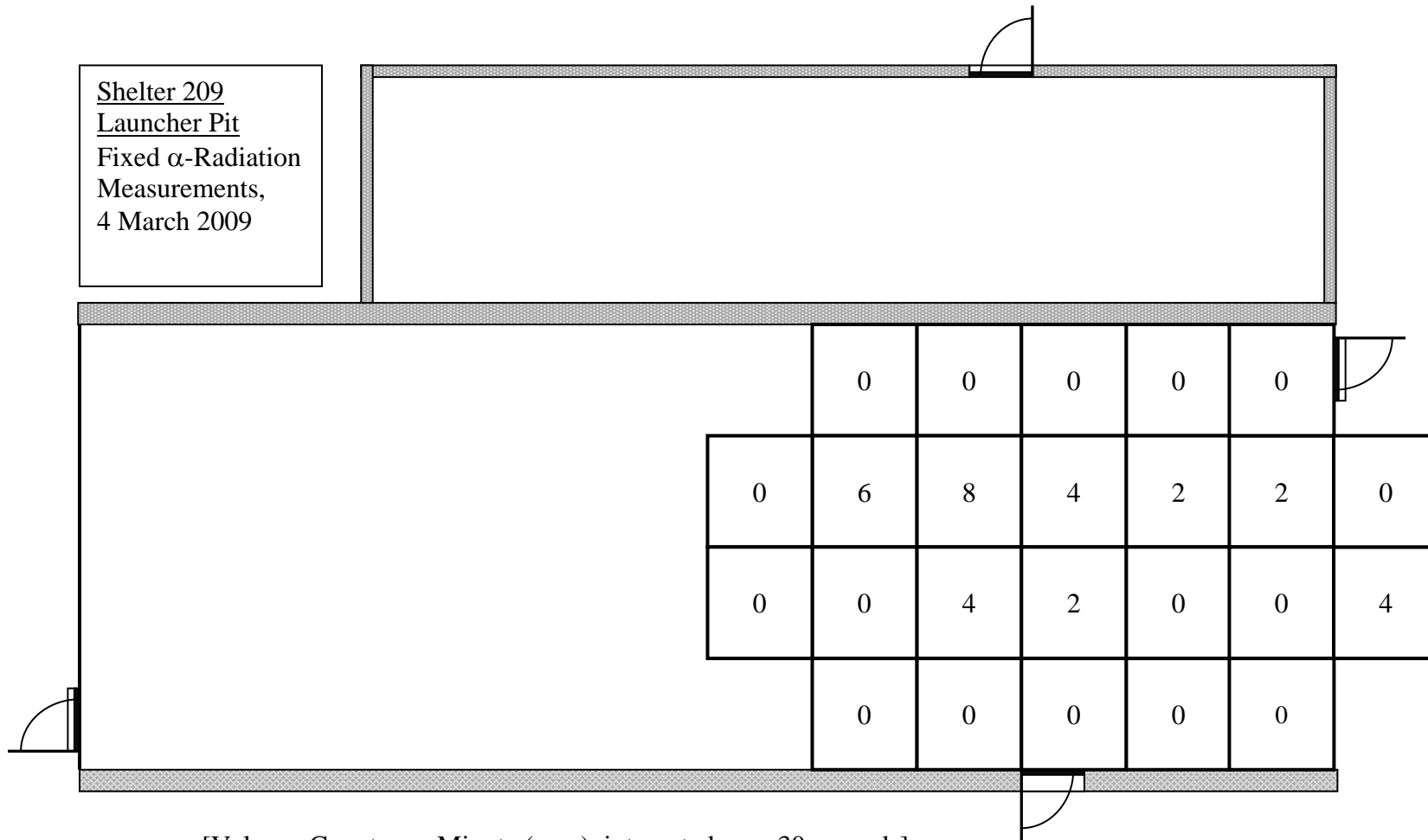
Shelter 209
Scanning
 α -Radiation
Measurements,
13 September
2007



[Values: Counts in a Minute]

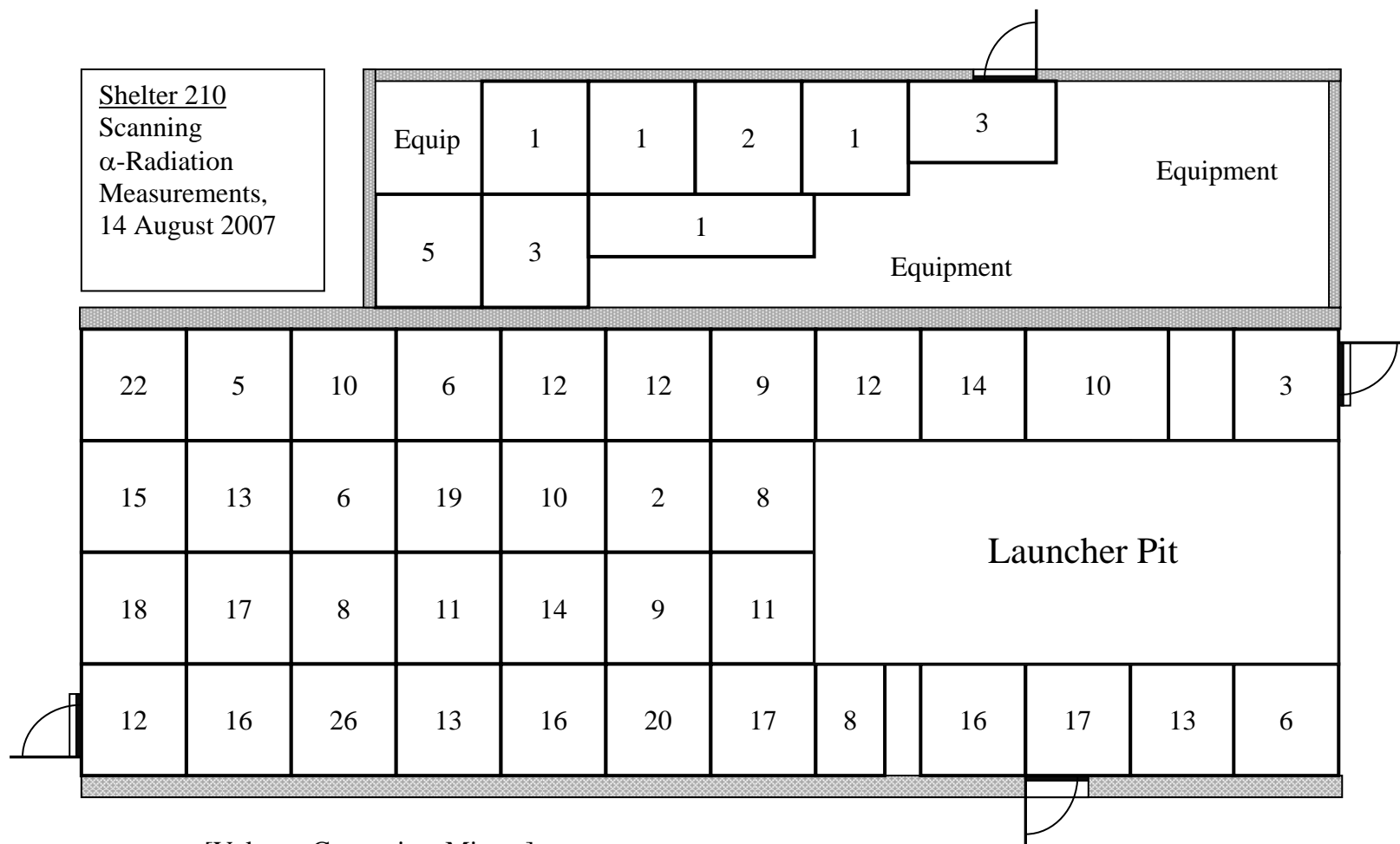
[Values in red, cells 7 & 8, biased high from elevated contamination area. Minor remedial action to elevated area was accomplished].

Shelter 209
 Launcher Pit
 Fixed α -Radiation
 Measurements,
 4 March 2009



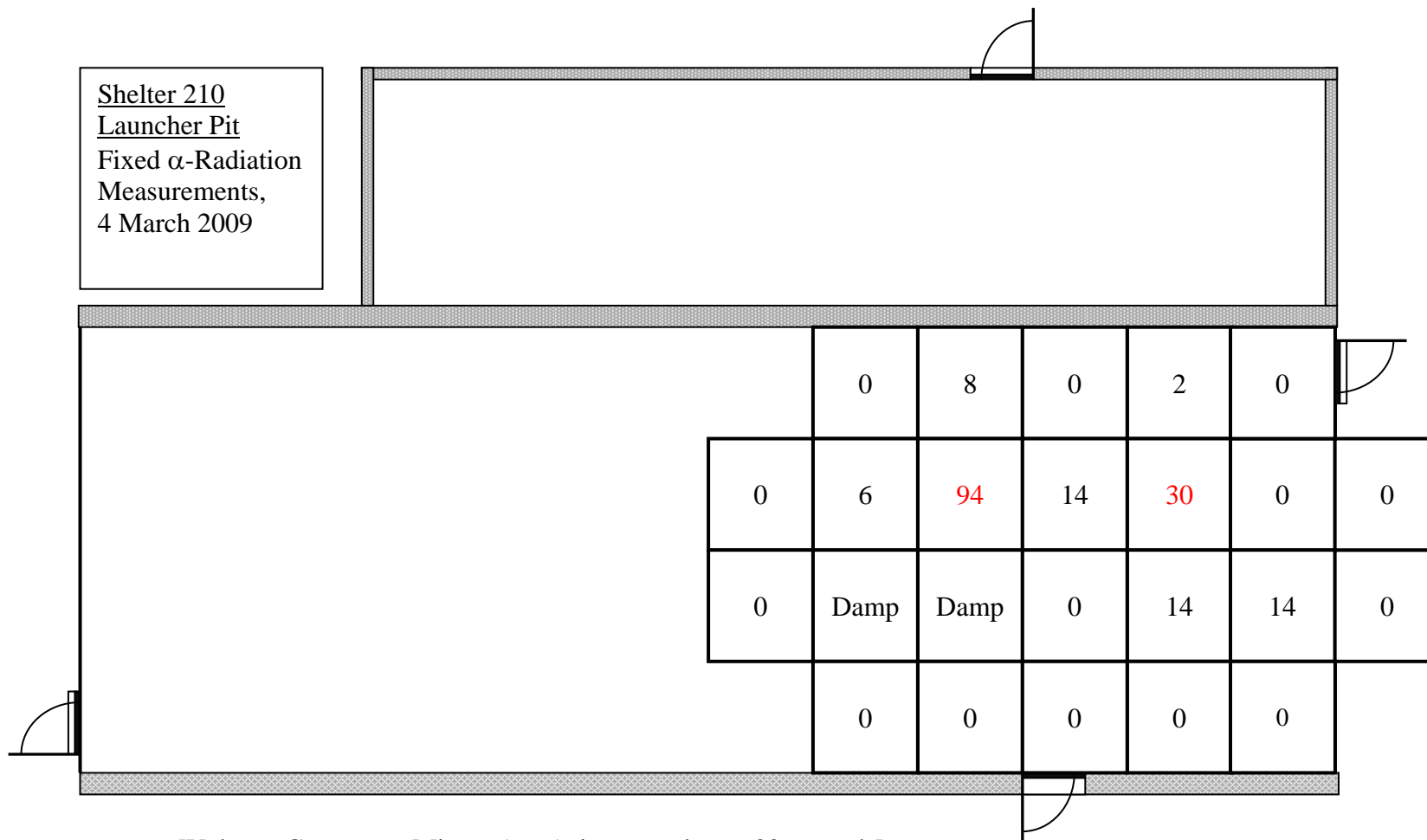
[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 210
Scanning
 α -Radiation
Measurements,
14 August 2007



[Values: Counts in a Minute]

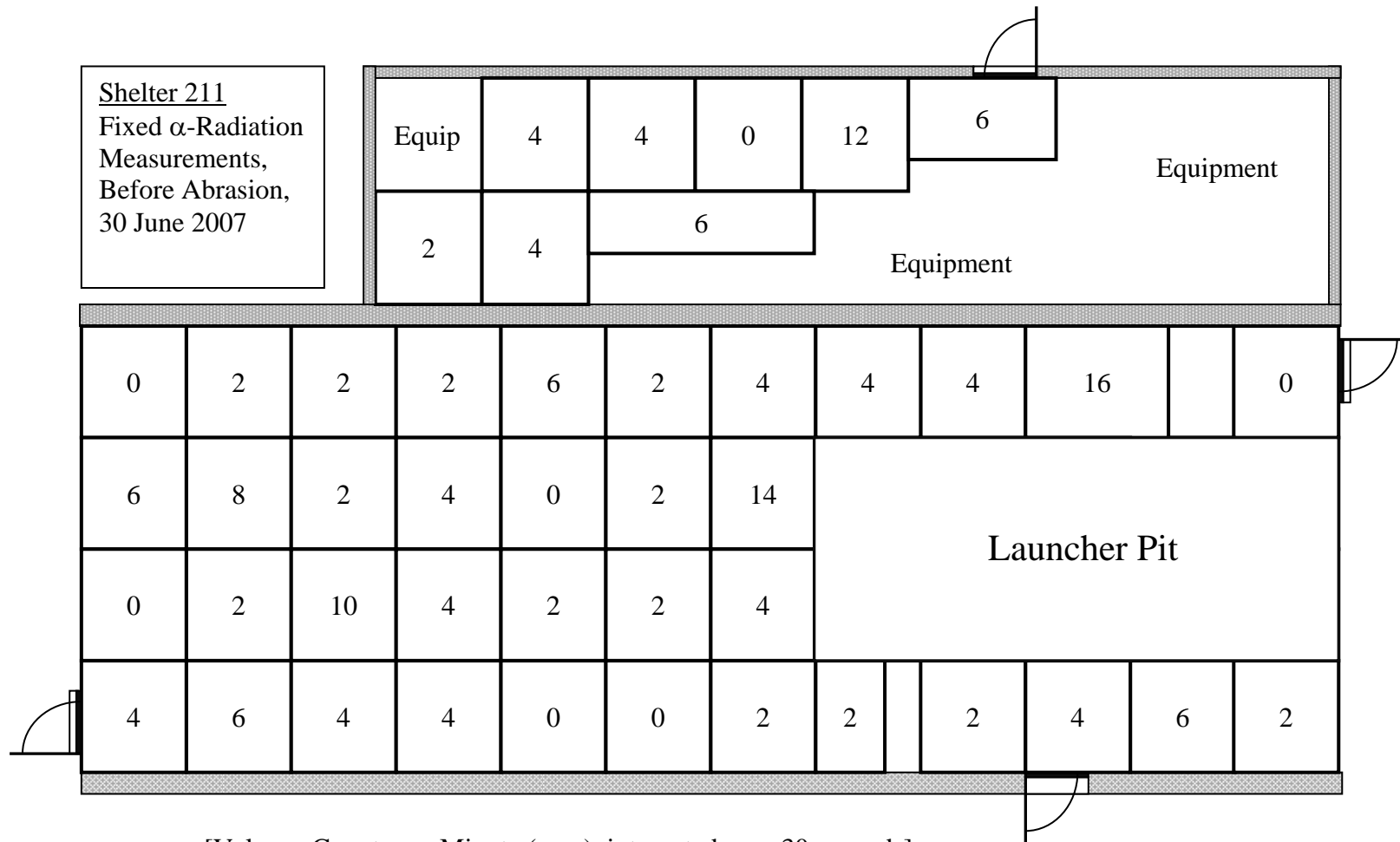
Shelter 210
 Launcher Pit
 Fixed α -Radiation
 Measurements,
 4 March 2009



[Values: Counts per Minute (cpm), integrated over 30 seconds]

[Values in red, cells 3P & 7P, biased high from elevated contamination area. Minor remedial action to elevated area was accomplished].

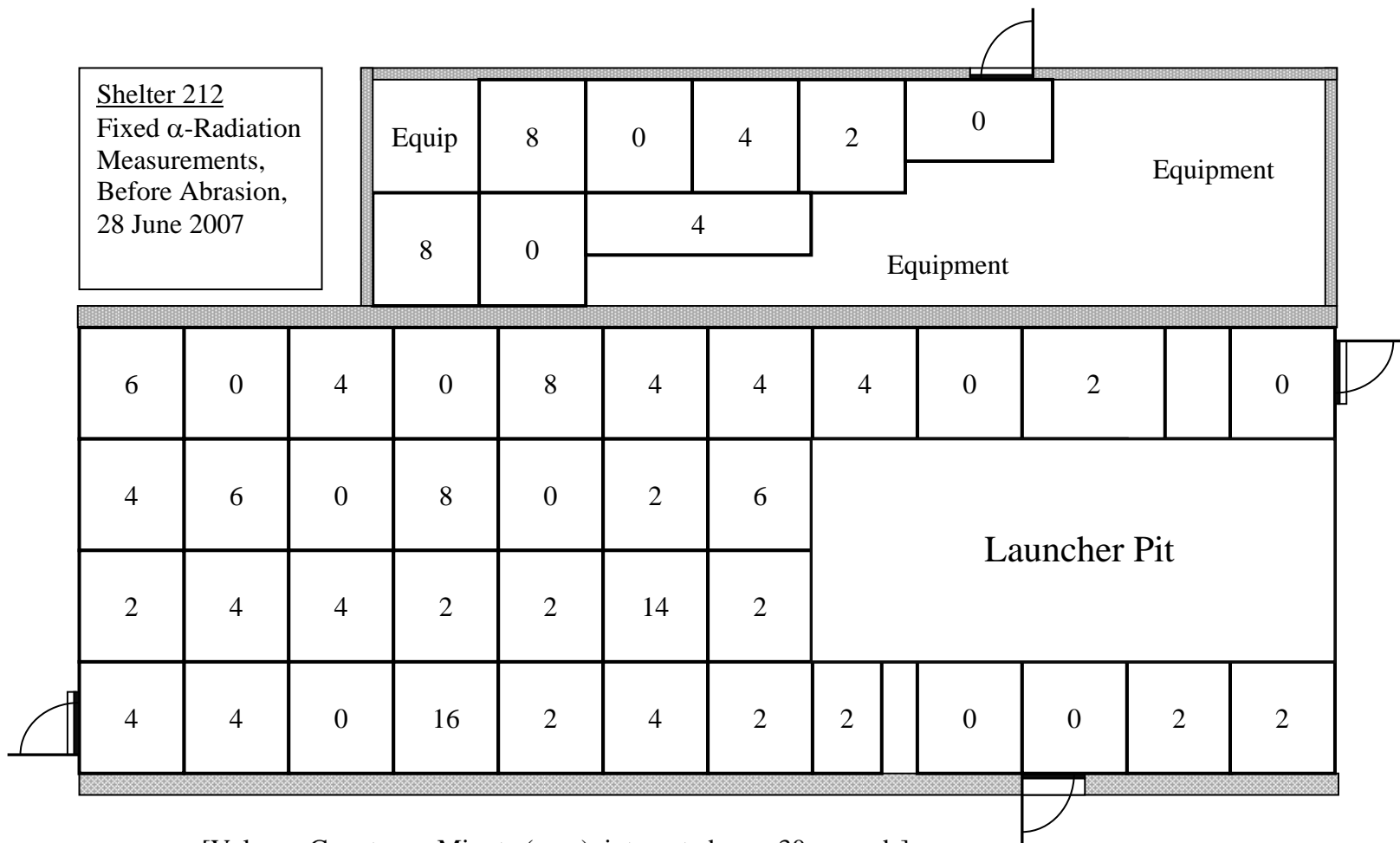
Shelter 211
Fixed α -Radiation
Measurements,
Before Abrasion,
30 June 2007



[Values: Counts per Minute (cpm), integrated over 30 seconds]

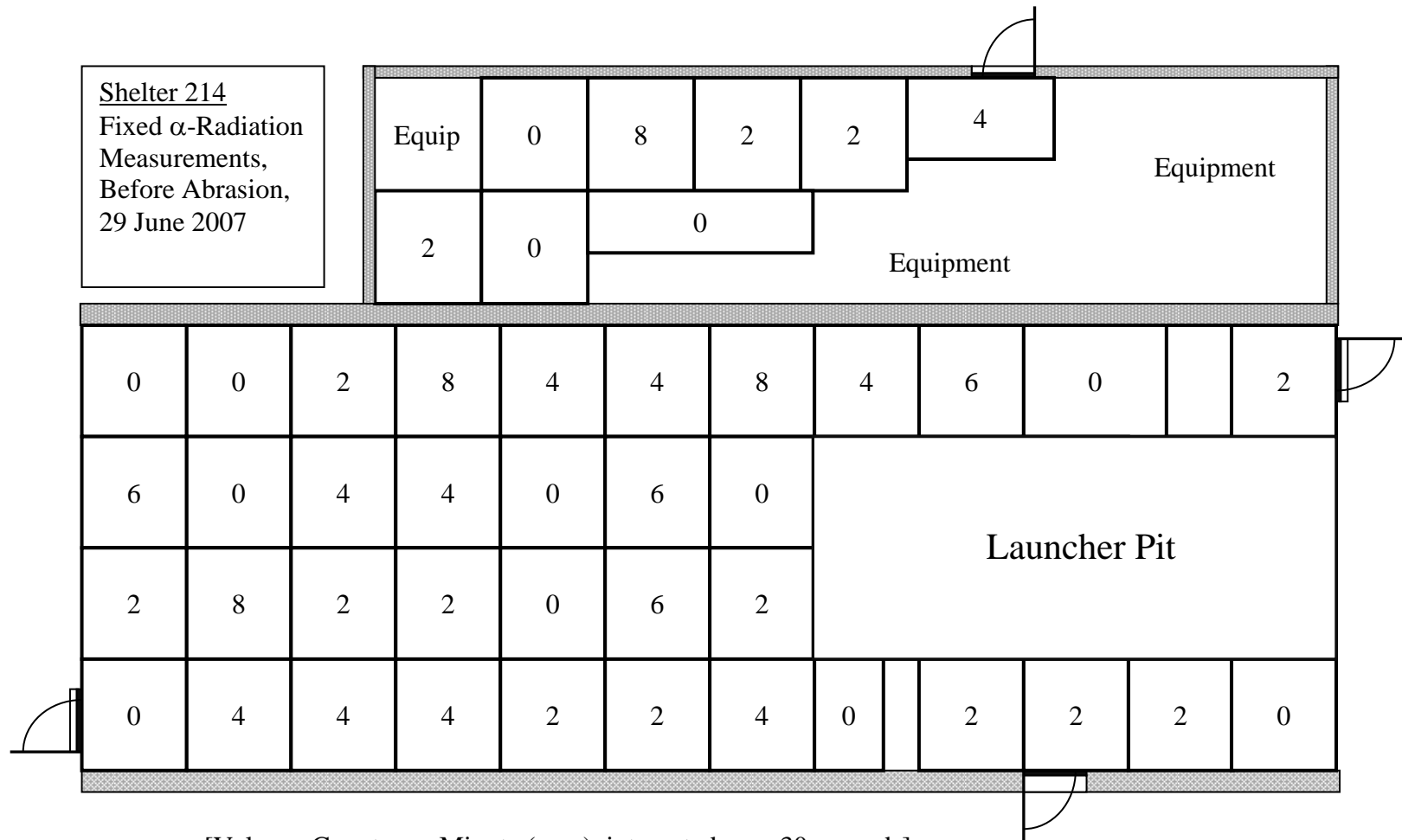
Shelter 212

Fixed α -Radiation
Measurements,
Before Abrasion,
28 June 2007



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Shelter 214
Fixed α -Radiation
Measurements,
Before Abrasion,
29 June 2007



[Values: Counts per Minute (cpm), integrated over 30 seconds]

Appendix G

Shelter Grid Survey Summaries

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Shelter 201 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
1	071377	40706137	< 2.0	< 1.5	1966	3	5		0	6	10	4	8
2	071378	40706138	< 2.0	< 1.5	1874	7	3		6	14	6	-8	10
3	071379	40706139	< 2.0	< 1.5	2010	6	8	1	2	12	16	4	14
4	071380	40706140	2.4	1.8	1964	3	8		4	6	16	10	11
5	071381	40706141	< 2.0	< 1.5	2145	3	0		2	6	0	-6	3
6	071382	40706142	< 2.0	< 1.5	2045	4	1		0	8	2	-6	5
7	071383	40706143	< 2.0	< 1.5	1949	0	3		4	0	6	6	3
8	071384	40706144	< 2.0	< 1.5	2096	3	4	10	4	6	8	2	7
9	071385	40706145	< 2.0	< 1.5	2051	2	3		1	4	6	2	5
10	071386	40706146	< 2.0	< 1.5	1933	1	2		2	2	4	2	3
11	071387	40706147	< 2.0	< 1.5	2019	3	4	13	1	6	8	2	7
12	071388	40706148	< 2.0	< 1.5	2095	2	0		3	4	0	-4	2
13	071389	40706149	< 2.0	< 1.5	2122	0	2		0	0	4	4	2
14	071390	40706150	< 2.0	< 1.5	1937	1	1		3	2	2	0	2
15	071391	40706151	< 2.0	< 1.5	1986	1	2		1	2	4	2	3
16	071392	40706152	< 2.0	< 1.5	2133	2	1		2	4	2	-2	3
17	071393	40706153	< 2.0	< 1.5	2013	2	4		1	4	8	4	6
18	071394	40706154	< 2.0	< 1.5	1835	0	2		3	0	4	4	2
19	071395	40706155	< 2.0	< 1.5	1923	2	3		1	4	6	2	5
20	071396	40706156	< 2.0	< 1.5	2100	2	1		2	4	2	-2	3
21	071397	40706157	< 2.0	< 1.5	2009	1	0		3	2	0	-2	1
22	071398	40706158	< 2.0	< 1.5	1834	3	2		7	6	4	-2	5
23	071399	40706159	< 2.0	< 1.5	1956	1	0		2	2	0	-2	1
24	071400	40706160	< 2.0	< 1.5	2081	3	5	0	1	6	10	4	8
25	071401	40706161	< 2.0	< 1.5	1998	1	0		1	2	0	-2	1
26	071402	40706162	< 2.0	< 1.5	1880	5	2		1	10	4	-6	7
27	071403	40706163	< 2.0	< 1.5	1742	0	2		2	0	4	4	2
28	071404	40706164	< 2.0	< 1.5	1984	2	1		0	4	2	-2	3
29	071405	40706165	< 2.0	< 1.5	1682	3	1		1	6	2	-4	4
30	071406	40706166	< 2.0	< 1.5	1959	0	1		2	0	2	2	1
31	071407	40706167	< 2.0	< 1.5	1728	0	1		0	0	2	2	1
32	071408	40706168	< 2.0	< 1.5	1831	3	4	4	3	6	8	2	7
33	071409	40706169	< 2.0	< 1.5	1806	1	0		5	2	0	-2	1
34	071410	40706170	< 2.0	< 1.5	1808	3	1		3	6	2	-4	4
35	071411	40706171	< 2.0	< 1.5	1845	2	2		3	4	4	0	4
36	071412	40706172	1.7	1.3	1766	2	0		4	4	0	-4	2

Shelter 201 Grid-Based Measurement Data Summary

Swipe Results					Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
Sample Numbers		pCi per swipe	dpm per 100 cm ²	Before Abrasion		After Abrasion	QA/QC	Before Abrasion		After Abrasion	Difference (After - Before)	Mean	
Cell	Base								AFIOH ID				
37	071413	40706173	< 2.0	< 1.5	1947	1	6		0	2	12	10	7
39	071414	40706174	< 2.0	< 1.5	2041	4	2		2	8	4	-4	6
40	071415	40706175	< 2.0	< 1.5	1814	0	2		4	0	4	4	2
41	071416	40706176	< 2.0	< 1.5	2005	0	1		3	0	2	2	1
42	071417	40706177	< 2.0	< 1.5	1868	2	1		6	4	2	-2	3
43/45	071418	40706178	< 2.0	< 1.5	1774	2	1		5	4	2	-2	3
44	071419	40706179	< 2.0	< 1.5	1868	0	1		3	0	2	2	1
47	071420	40706180	< 2.0	< 1.5	1790	1	2		3	2	4	2	3
48	071421	40706181	< 2.0	< 1.5	1737	2	4		6	4	8	4	6
				Mean	1932.2				Mean	2.5	4.0	4.4	0.4
				Median	1949.0				Median	2.0	4.0	4.0	2.0
				STDEV	122.2				STDEV	1.8	3.2	3.9	4.0
				Max	2145.0				Max	7.0	14.0	16.0	10.0
				Min	1682.0				Min	0.0	0.0	0.0	-8.0

Shelter 203 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Scans (counts, minute)	α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
1	071422	40706182	< 2.0	< 1.5	2034	4	3		5	8	6	-2	7
2	071423	40706183	< 2.0	< 1.5	1846	2	2		1	4	4	0	4
3	071424	40706184	< 2.0	< 1.5	1934	5	4		3	10	8	-2	9
4	071425	40706185	< 2.0	< 1.5	1924	2	12	0	5	4	24	20	14
5	071426	40706186	< 2.0	< 1.5	2167	6	0		3	12	0	-12	6
6	071427	40706187	< 2.0	< 1.5	2007	2	3		6	4	6	2	5
7	071428	40706188	< 2.0	< 1.5	1975	15	1		5	30	2	-28	16
8	071429	40706189	< 2.0	< 1.5	2141	8	9	4	5	16	18	2	17
9	071430	40706190	< 2.0	< 1.5	2013	5	6		5	10	12	2	11
10	071431	40706191	< 2.0	< 1.5	1977	1	2		6	2	4	2	3
11	071432	40706192	< 2.0	< 1.5	1994	0	3		7	0	6	6	3
12	071433	40706193	2.0	1.5	2016	3	13	5	10	6	26	20	16
13	071434	40706194	2.3	1.7	2002	2	2		3	4	4	0	4
14	071435	40706195	4.0	3.0	1934	5	2		5	10	4	-6	7
15	071436	40706196	< 2.0	< 1.5	1819	5	0		2	10	0	-10	5
16	071437	40706197	< 2.0	< 1.5	2171	4	1		7	8	2	-6	5
17	071438	40706198	< 2.0	< 1.5	2013	1	0		5	2	0	-2	1
18	071439	40706199	< 2.0	< 1.5	1783	1	1		3	2	2	0	2
19	071440	40706200	< 2.0	< 1.5	1810	3	4		0	6	8	2	7
20	071441	40706201	< 2.0	< 1.5	2021	0	1		7	0	2	2	1
21	071442	40706202	< 2.0	< 1.5	1945	4	3		3	8	6	-2	7
22	071443	40706203	< 2.0	< 1.5	1846	1	1		2	2	2	0	2
23	071444	40706204	< 2.0	< 1.5	1884	1	0		5	2	0	-2	1
24	071445	40706205	< 2.0	< 1.5	1958	3	1		8	6	2	-4	4
25	071446	40706206	< 2.0	< 1.5	2076	0	2		2	0	4	4	2
26	071447	40706207	< 2.0	< 1.5	1903	4	3		1	8	6	-2	7
27	071448	40706208	< 2.0	< 1.5	1779	6	3		4	12	6	-6	9
28	071449	40706209	< 2.0	< 1.5	1986	3	5		4	6	10	4	8
29	071450	40706210	< 2.0	< 1.5	1848	2	4		2	4	8	4	6
30	071451	40706211	< 2.0	< 1.5	1872	2	2		1	4	4	0	4
31	071452	40706212	< 2.0	< 1.5	1769	0	12	3	2	0	24	24	12
32	071453	40706213	< 2.0	< 1.5	1745	2	0		2	4	0	-4	2
33	071454	40706214	< 2.0	< 1.5	1714	1	1		2	2	2	0	2
34	071455	40706215	< 2.0	< 1.5	1787	1	4		2	2	8	6	5
35	071456	40706216	< 2.0	< 1.5	1766	4	6	3	5	8	12	4	10
36	071457	40706217	< 2.0	< 1.5	1646	1	1		1	2	2	0	2

Shelter 203 Grid-Based Measurement Data Summary

Swipe Results					Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Scans (counts, minute)	α-Radiation Count Rate (cpm)			
						Sample Numbers		pCi per swipe		dpm per 100 cm ²	Before Abrasion	After Abrasion	QA/QC
Cell	Base	AFIOH ID											
37	071458	40706218	< 2.0	< 1.5	1818	1	2		0	2	4	2	3
39	071459	40706219	< 2.0	< 1.5	2033	0	1		2	0	2	2	1
40	071460	40706220	< 2.0	< 1.5	1926	1	6		5	2	12	10	7
41	071461	40706221	< 2.0	< 1.5	1739	1	1		3	2	2	0	2
42	071462	40706222	< 2.0	< 1.5	1926	4	0		6	8	0	-8	4
43/45	071463	40706223	< 2.0	< 1.5	1777	1	4		9	2	8	6	5
44	071464	40706224	< 2.0	< 1.5	1767	5	6		12	10	12	2	11
47	071465	40706225	< 2.0	< 1.5	1815	22	36	37	21	44	72	28	58
48	071466	40706226	< 2.0	< 1.5	1752	3	4		4	6	8	2	7
					Mean				Mean	4.5	6.5	7.9	1.3
					Median				Median	4.0	4.0	4.0	0.0
					STDEV				STDEV	3.6	7.8	11.7	9.1
					Max				Max	21.0	44.0	72.0	28.0
					Min				Min	0.0	0.0	0.0	-28.0

Shelter 205 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
1	071318	40704990	< 2.0	< 1.5	1318	7	9	10	14	18	4	16
2	071319	40704991	< 2.0	< 1.5	1323	1	5		2	10	8	6
3	071320	40704992	< 2.0	< 1.5	1322	2	0		4	0	-4	2
4	071321	40704993	< 2.0	< 1.5	1305	2	3		4	6	2	5
5	071322	40704994	< 2.0	< 1.5	1354	4	4		8	8	0	8
6	071323	40704995	< 2.0	< 1.5	1260	1	2		2	4	2	3
7	071324	40704996	< 2.0	< 1.5	1370	1	26	5	2	52	50	27
8	071325	40704997	< 2.0	< 1.5	1388	5	1		10	2	-8	6
9	071326	40704998	< 2.0	< 1.5	1185	9	2		18	4	-14	11
10	071327	40704999	< 2.0	< 1.5	1274	7	11	6	14	22	8	18
11	071328	40705000	< 2.0	< 1.5	1277	2	2		4	4	0	4
12	071329	40705001	< 2.0	< 1.5	1336	3	2		6	4	-2	5
13	071330	40705002	< 2.0	< 1.5	1264	2	3		4	6	2	5
14	071331	40705003	< 2.0	< 1.5	1275	3	3		6	6	0	6
15	071332	40705004	< 2.0	< 1.5	1318	2	3		4	6	2	5
16	071333	40705005	< 2.0	< 1.5	1312	7	9	3	14	18	4	16
17	071334	40705006	< 2.0	< 1.5	1293	0	3		0	6	6	3
18	071335	40705007	< 2.0	< 1.5	1176	4	2		8	4	-4	6
19	071336	40705008	< 2.0	< 1.5	1141	6	0		12	0	-12	6
20	071337	40705009	< 2.0	< 1.5	1418	0	5	0	0	10	10	5
21	071338	40705010	< 2.0	< 1.5	1331	2	0		4	0	-4	2
22	071339	40705011	< 2.0	< 1.5	1197	1	1		2	2	0	2
23	071340	40705012	< 2.0	< 1.5	1209	0	4		0	8	8	4
24	071341	40705013	< 2.0	< 1.5	1322	3	1		6	2	-4	4
25	071342	40705014	< 2.0	< 1.5	1310	1	3		2	6	4	4
26	071343	40705015	< 2.0	< 1.5	1116	1	2		2	4	2	3
27	071344	40705016	< 2.0	< 1.5	1110	2	3		4	6	2	5
28	071345	40705017	< 2.0	< 1.5	1326	2	2		4	4	0	4
29	071346	40705018	< 2.0	< 1.5	984	2	1		4	2	-2	3
30	071347	40705019	< 2.0	< 1.5	1262	1	1		2	2	0	2
31	071348	40705020	< 2.0	< 1.5	1064	5	0		10	0	-10	5

Shelter 205 Grid-Based Measurement Data Summary

Swipe Results					Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Count Rate (cpm)			
Sample Numbers		pCi per swipe	dpm per 100 cm ²	Before Abrasion		After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean	
Cell	Base											AFIOH ID
32	071349	40705021	< 2.0	< 1.5	1055	1	4		2	8	6	5
33	071350	40705022	< 2.0	< 1.5	1150	3	0		6	0	-6	3
34	071351	40705023	< 2.0	< 1.5	1066	1	1		2	2	0	2
35	071352	40705024	< 2.0	< 1.5	1150	3	1		6	2	-4	4
36	071353	40705025	< 2.0	< 1.5	1062	0	1		0	2	2	1
37	071354	40705026	< 2.0	< 1.5	1116	2	2		4	4	0	4
39	071369	40706129	< 2.0	< 1.5	2114	2	1		4	2	-2	3
40	071370	40706130	< 2.0	< 1.5	1969	1	2		2	4	2	3
41	071371	40706131	< 2.0	< 1.5	1913	0	2		0	4	4	2
42	071372	40706132	< 2.0	< 1.5	1912	3	1		6	2	-4	4
43/45	071373	40706133	< 2.0	< 1.5	1785	1	1		2	2	0	2
44	071374	40706134	< 2.0	< 1.5	1937	2	1		4	2	-2	3
47	071375	40706135	< 2.0	< 1.5	1775	1	0		2	0	-2	1
48	071376	40706136	< 2.0	< 1.5	1708	1	4		2	8	6	5
			Shelter	Mean	1236.2				Mean	4.8	6.0	1.1
				Median	1274.0				Median	4.0	4.0	0.0
				STDEV	110.4				STDEV	4.2	8.5	9.0
				Max	1418.0				Max	18.0	52.0	50.0
				Min	984.0				Min	0.0	0.0	-14.0
				Equip- ment Room	Mean				1889.1			
			Median		1912.5							
			STDEV		129.3							
			Max		2114.0							
			Min		1708.0							

Shelter 207 Grid-Based Measurement Survey Data

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
1	071212	40704900	< 2.0	< 1.5	1362	2	3		4	6	2	5
2	071213	40705901	< 2.0	< 1.5	1203	2	8	2	4	16	12	10
3	071214	40706902	< 2.0	< 1.5	1213	0	0		0	0	0	0
4	071215	40707903	< 2.0	< 1.5	1350	0	0		0	0	0	0
5	071216	40708904	< 2.0	< 1.5	1358	2	4		4	8	4	6
6	071256	40709905	< 2.0	< 1.5	1258	0	1		0	2	2	1
7	071217	40708906	< 2.0	< 1.5	1334	1	2		2	4	2	3
8	071218	40708907	< 2.0	< 1.5	1378	2	1		4	2	-2	3
9	071219	40708908	< 2.0	< 1.5	1310	4	2		8	4	-4	6
10	071220	40708909	< 2.0	< 1.5	1263	3	1		6	2	-4	4
11	071221	40708910	< 2.0	< 1.5	1278	3	1		6	2	-4	4
12	071222	40708911	< 2.0	< 1.5	1326	2	3		4	6	2	5
13	071223	40708912	< 2.0	< 1.5	1258	0	2		0	4	4	2
14	071224	40708913	< 2.0	< 1.5	1169	0	1		0	2	2	1
15	071225	40708914	< 2.0	< 1.5	1212	0	5	1	0	10	10	5
16	071226	40708915	< 2.0	< 1.5	1366	2	4	2	4	8	4	6
17	071227	40708916	1.9	1.4	1234	1	2		2	4	2	3
18	071228	40708917	2.6	1.9	1174	0	3	2	0	6	6	3
19	071229	40708918	< 2.0	< 1.5	1174	6	0		12	0	-12	6
20	071230	40708919	< 2.0	< 1.5	1316	3	2		6	4	-2	5
21	071231	40708920	< 2.0	< 1.5	1204	2	4	2	4	8	4	6
22	071232	40708921	< 2.0	< 1.5	1204	1	1		2	2	0	2
23	071233	40708922	< 2.0	< 1.5	1166	1	3		2	6	4	4
24	071234	40708923	< 2.0	< 1.5	1287	1	3		2	6	4	4
25	071235	40708924	< 2.0	< 1.5	1243	2	3		4	6	2	5
26	071236	40708925	< 2.0	< 1.5	1166	2	0		4	0	-4	2
27	071237	40708926	< 2.0	< 1.5	1122	0	3		0	6	6	3
28	071238	40708927	< 2.0	< 1.5	1254	0	1		0	2	2	1
29	071239	40708928	< 2.0	< 1.5	1107	1	1		2	2	0	2
30	071240	40708929	< 2.0	< 1.5	1189	0	1		0	2	2	1
31	071241	40708930	< 2.0	< 1.5	1136	2	1		4	2	-2	3

Shelter 207 Grid-Based Measurement Survey Data

Swipe Results					Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Count Rate (cpm)			
Sample Numbers		pCi per swipe	dpm per 100 cm ²	Before Abrasion		After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean	
Cell	Base											AFIOH ID
32	071242	40708931	< 2.0	< 1.5	1112	2	1		4	2	-2	3
33	071243	40708932	< 2.0	< 1.5	1129	2	1		4	2	-2	3
34	071244	40708933	< 2.0	< 1.5	1110	1	1		2	2	0	2
35	071245	40708934	< 2.0	< 1.5	1144	2	0		4	0	-4	2
36	071246	40708935	< 2.0	< 1.5	1092	4	0		8	0	-8	4
37	071247	40708936	< 2.0	< 1.5	1112	2	2		4	4	0	4
39	071248	40708937	< 2.0	< 1.5	1276	1	0		2	0	-2	1
40	071249	40708938	< 2.0	< 1.5	1103	2	1		4	2	-2	3
41	071250	40708939	< 2.0	< 1.5	1178	2	1		4	2	-2	3
42	071251	40708940	< 2.0	< 1.5	1104	1	0		2	0	-2	1
43/45	071252	40708941	< 2.0	< 1.5	1114	0	1		0	2	2	1
44	071253	40708942	< 2.0	< 1.5	1101	2	0		4	0	-4	2
47	071254	40708943	< 2.0	< 1.5	1470	11	6		22	12	-10	17
48	071255	40708944	< 2.0	< 1.5	1089	4	1		8	2	-6	5
					Mean				Mean	3.6	3.6	0.0
					Median				Median	4.0	2.0	0.0
					STDEV				STDEV	3.9	3.5	4.6
					Max				Max	22.0	16.0	12.0
					Min				Min	0.0	0.0	-12.0

Shelter 208 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
1	071130	40704810	< 2.0	< 1.5	1269	4	1		2	8	2	-6	5
2	071131	40704811	< 2.0	< 1.5	1273	4	5		3	8	10	2	9
3	071132	40704812	< 2.0	< 1.5	1354	3	3		8	6	6	0	6
4	071133	40704813	< 2.0	< 1.5	1296	8	5	5	10	16	10	-6	13
5	071134	40704814	< 2.0	< 1.5	1402	5	2		3	10	4	-6	7
6	071135	40704815	< 2.0	< 1.5	1255	4	3		3	8	6	-2	7
7	071136	40704816	< 2.0	< 1.5	1288	3	2		3	6	4	-2	5
8	071137	40704817	< 2.0	< 1.5	1271	12	10	13	5	24	20	-4	22
9	071138	40704818	< 2.0	< 1.5	1408	0	4		1	0	8	8	4
10	071139	40704819	< 2.0	< 1.5	1358	1	1		8	2	2	0	2
11	071140	40704820	< 2.0	< 1.5	1366	0	1		10	0	2	2	1
12	071141	40704821	< 2.0	< 1.5	1308	0	1		0	0	2	2	1
13	071142	40704822	< 2.0	< 1.5	1237	2	1		5	4	2	-2	3
14	071143	40704823	< 2.0	< 1.5	1311	0	3		4	0	6	6	3
15	071144	40704824	< 2.0	< 1.5	1270	1	2		3	2	4	2	3
16	071145	40704825	< 2.0	< 1.5	1372	1	3		5	2	6	4	4
17	071146	40704826	< 2.0	< 1.5	1260	4	2		2	8	4	-4	6
18	071147	40704827	< 2.0	< 1.5	1116	2	1		7	4	2	-2	3
19	071148	40704828	< 2.0	< 1.5	1240	1	2		3	2	4	2	3
20	071149	40704829	< 2.0	< 1.5	1385	10	9	2	6	20	18	-2	19
21	071150	40704830	< 2.0	< 1.5	1325	0	0		6	0	0	0	0
22	071151	40704831	< 2.0	< 1.5	1196	6	2		5	12	4	-8	8
23	071152	40704832	< 2.0	< 1.5	1229	1	2		3	2	4	2	3
24	071153	40704833	< 2.0	< 1.5	1284	2	1		4	4	2	-2	3
25	071154	40704834	< 2.0	< 1.5	1247	3	2		6	6	4	-2	5
26	071155	40704835	< 2.0	< 1.5	1121	2	5		4	4	10	6	7
27	071156	40704836	< 2.0	< 1.5	1274	3	2		4	6	4	-2	5
28	071157	40704837	< 2.0	< 1.5	1308	2	1		2	4	2	-2	3
29	071158	40704838	< 2.0	< 1.5	1251	1	2		2	2	4	2	3
30	071159	40704839	< 2.0	< 1.5	1236	1	3		2	2	6	4	4
31	071160	40704840	< 2.0	< 1.5	1161	2	2		7	4	4	0	4
32	071161	40704841	< 2.0	< 1.5	1158	16	23	4	3	32	46	14	39
33	071162	40704842	< 2.0	< 1.5	1161	7	4	2	8	14	8	-6	11
34	071163	40704843	< 2.0	< 1.5	1156	4	2		2	8	4	-4	6
35	071164	40704844	< 2.0	< 1.5	1190	0	1		2	0	2	2	1
36	071165	40704845	< 2.0	< 1.5	1125	4	1		2	8	2	-6	5

Shelter 208 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
37	071166	40704846	< 2.0	< 1.5	1194	1	1		1	2	2	0	2
39	071167	40704847	< 2.0	< 1.5	1293	1	1		1	2	2	0	2
40	071168	40704848	< 2.0	< 1.5	1172	2	2		2	4	4	0	4
41	071169	40704849	< 2.0	< 1.5	1182	5	4		7	10	8	-2	9
42	071170	40704850	< 2.0	< 1.5	1124	2	2		3	4	4	0	4
43/45	071171	40704851	< 2.0	< 1.5	1109	2	3		4	4	6	2	5
44	071172	40704852	< 2.0	< 1.5	1048	3	3		1	6	6	0	6
47	071173	40704853	< 2.0	< 1.5	1108	0	1		0	0	2	2	1
48	071174	40704854	< 2.0	< 1.5	1184	0	2		1	0	4	4	2
				Mean	1241.7			Mean	3.8	6.0	5.9	-0.1	
				Median	1251.0			Median	3.0	4.0	4.0	0.0	
				STDEV	88.5			STDEV	2.5	6.6	7.2	4.1	
				Max	1408.0			Max	10.0	32.0	46.0	14.0	
				Min	1048.0			Min	0.0	0.0	0.0	-8.0	

Shelter 209 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Scans (counts, minute)	α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
1	071273	40704945	< 2.0	< 1.5	1319	0	2		1	0	4	4	2
2	071274	40704946	< 2.0	< 1.5	1208	4	2		5	8	4	-4	6
3	071275	40704947	< 2.0	< 1.5	1239	7	6		10	14	12	-2	13
4	071276	40704948	< 2.0	< 1.5	1365	11	4		5	22	8	-14	15
5	071277	40704949	< 2.0	< 1.5	1328	3	5		3	6	10	4	8
6	071278	40704950	< 2.0	< 1.5	1277	4	10	4	2	8	20	12	14
7	071279	40704951	< 2.0	< 1.5	1363	4	4		8	8	8	0	8
8	071280	40704952	< 2.0	< 1.5	1321	5	4		13	10	8	-2	9
9	071281	40704953	< 2.0	< 1.5	1303	13	3	2	4	26	6	-20	16
10	071282	40704954	< 2.0	< 1.5	1238	1	3		1	2	6	4	4
11	071283	40704955	2.8	2.1	1306	8	6		8	16	12	-4	14
12	071284	40704956	6.3	4.7	1291	41	24	14	10	82	48	-34	65
13	071285	40704957	< 2.0	< 1.5	1276	3	2		3	6	4	-2	5
14	071286	40704958	< 2.0	< 1.5	1265	4	3		2	8	6	-2	7
15	071287	40704959	< 2.0	< 1.5	1217	3	1		2	6	2	-4	4
16	071288	40704960	< 2.0	< 1.5	1306	12	11	19	6	24	22	-2	23
17	071289	40704961	< 2.0	< 1.5	1179	5	4		5	10	8	-2	9
18	071290	40704962	3.6	2.7	1094	5	1		7	10	2	-8	6
19	071291	40704963	< 2.0	< 1.5	1182	4	7	12	3	8	14	6	11
20	071292	40704964	< 2.0	< 1.5	1297	4	3		0	8	6	-2	7
21	071293	40704965	< 2.0	< 1.5	1235	6	5		2	12	10	-2	11
22	071294	40704966	< 2.0	< 1.5	1212	6	2		3	12	4	-8	8
23	071295	40704967	< 2.0	< 1.5	1129	0	0		4	0	0	0	0
24	071296	40704968	< 2.0	< 1.5	1291	4	2		4	8	4	-4	6
25	071297	40704969	< 2.0	< 1.5	1238	3	2		3	6	4	-2	5
26	071298	40704970	2.8	2.1	1111	3	4		6	6	8	2	7
27	071299	40704971	< 2.0	< 1.5	1203	3	3		3	6	6	0	6
28	071300	40704972	< 2.0	< 1.5	1176	0	2		1	0	4	4	2
29	071301	40704973	< 2.0	< 1.5	1191	2	3		4	4	6	2	5
30	071302	40704974	< 2.0	< 1.5	1174	4	2		1	8	4	-4	6
31	071303	40704975	< 2.0	< 1.5	1127	6	5		3	12	10	-2	11
32	071304	40704976	< 2.0	< 1.5	990	2	3		3	4	6	2	5
33	071305	40704977	< 2.0	< 1.5	1116	6	5		5	12	10	-2	11
34	071306	40704978	< 2.0	< 1.5	1151	7	4		0	14	8	-6	11
35	071307	40704979	< 2.0	< 1.5	1176	1	4		1	2	8	6	5
36	071308	40704980	< 2.0	< 1.5	1135	0	0		2	0	0	0	0

Shelter 209 Grid-Based Measurement Data Summary

Swipe Results					Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
Sample Numbers			pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
Cell	Base	AFIOH ID											
37	071309	40704981	< 2.0	< 1.5	1192	2	3		4	4	6	2	5
39	071310	40704982	< 2.0	< 1.5	1412	1	3		1	2	6	4	4
40	071311	40704983	< 2.0	< 1.5	1267	3	1		0	6	2	-4	4
41	071312	40704984	< 2.0	< 1.5	1192	1	1		2	2	2	0	2
42	071313	40704985	< 2.0	< 1.5	1160	0	1		3	0	2	2	1
43/45	071314	40704986	< 2.0	< 1.5	1152	1	3		6	2	6	4	4
44	071315	40704987	< 2.0	< 1.5	1220	2	1		2	4	2	-2	3
47	071316	40704988	< 2.0	< 1.5	1116	2	2		1	4	4	0	4
48	071317	40704989	< 2.0	< 1.5	1137	2	0		2	4	0	-4	2
				Mean	1219.5				Mean	3.6	9.2	7.4	-1.9
				Median	1212.0				Median	3.0	6.0	6.0	-2.0
				STDEV	85.0				STDEV	2.8	12.6	7.7	7.2
				Max	1412.0				Max	13.0	82.0	48.0	12.0
				Min	990.0				Min	0.0	0.0	0.0	-34.0

Shelter 210 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Scans (counts, minute)	α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
1	071000	40704555	39.4	29.2	1354	21	22		22	21	22	1	21.5
2	071001	40704556	2.6	1.9	1295	9	4		15	9	4	-5	6.5
3	071002	40704557	< 2.0	< 1.5	1235	14	7		18	14	7	-7	10.5
4	071003	40704558	3.4	2.5	1566	21	8		12	21	8	-13	14.5
5	071004	40704559	< 2.0	< 1.5	1322	7	5		5	7	5	-2	6
6	071005	40704560	< 2.0	< 1.5	1333	12	15		13	12	15	3	13.5
7	071006	40704561	< 2.0	< 1.5	1496	29	21		17	29	21	-8	25
8	071007	40704562	< 2.0	< 1.5	1347	22	32		16	22	32	10	27
9	071008	40704563	< 2.0	< 1.5	1311	4	6		10	4	6	2	5
10	071009	40704564	< 2.0	< 1.5	1252	37	7		6	37	7	-30	22
11	071010	40704565	< 2.0	< 1.5	1224	23	7		8	23	7	-16	15
12	071011	40704566	< 2.0	< 1.5	1365	22	18		26	22	18	-4	20
13	071012	40704567	< 2.0	< 1.5	1281	3	13		6	3	13	10	8
14	071013	40704568	< 2.0	< 1.5	1223	3	7		19	3	7	4	5
15	071014	40704569	< 2.0	< 1.5	1191	23	41	20	11	23	41	18	32
16	071015	40704570	< 2.0	< 1.5	1286	15	16		13	15	16	1	15.5
17	071016	40704571	< 2.0	< 1.5	1163	19	15		12	19	15	-4	17
18	071017	40704572	< 2.0	< 1.5	1103	37	9		10	37	9	-28	23
19	071018	40704573	3.4	2.5	1122	54	66	23	14	54	66	12	60
20	071019	40704574	< 2.0	< 1.5	1271	11	10		16	11	10	-1	10.5
21	071020	40704575	< 2.0	< 1.5	1201	16	16		12	16	16	0	16
22	071021	40704576	< 2.0	< 1.5	1132	16	14		2	16	14	-2	15
23	071022	40704577	< 2.0	< 1.5	1173	22	15		9	22	15	-7	18.5
24	071023	40704578	< 2.0	< 1.5	1256	26	61	7	20	26	61	35	43.5
25	071024	40704579	< 2.0	< 1.5	1180	20	32		9	20	32	12	26
26	071025	40704580	< 2.0	< 1.5	1182	8	11		8	8	11	3	9.5
27	071026	40704581	2.8	2.1	1122	34	22		11	34	22	-12	28
28	071027	40704582	< 2.0	< 1.5	1273	26	61	26	17	26	61	35	43.5
29	071028	40704583	2.2	1.6	1208	25	20		12	25	20	-5	22.5
30	071029	40704584	< 2.0	< 1.5	1117	16	18		8	16	18	2	17
31	071030	40704585	16.9	12.5	1216	44	39	17	14	44	39	-5	41.5
32	071031	40704586	< 2.0	< 1.5	1126	13	17		16	13	17	4	15
33	071032	40704587	< 2.0	< 1.5	1151	17	11		10	17	11	-6	14
34	071033	40704588	2.8	2.1	1065	65	49	21	17	65	49	-16	57
35	071034	40704589	< 2.0	< 1.5	1190	35	34		13	35	34	-1	34.5
36	071035	40704590	< 2.0	< 1.5	1071	5	12		3	5	12	7	8.5

Shelter 210 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Scans (counts, minute)	α -Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC		Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID											
37	071036	40704591	2.4	1.8	1151	9	16		6	9	16	7	12.5
39	071037	40704592	< 2.0	< 1.5	1365	15	12		5	15	12	-3	13.5
40	071038	40704593	< 2.0	< 1.5	1117	7	4		1	7	4	-3	5.5
41	071039	40704594	< 2.0	< 1.5	1141	45	23		3	45	23	-22	34
42	071040	40704595	< 2.0	< 1.5	1126	5	4		1	5	4	-1	4.5
43/45	071041	40704596	< 2.0	< 1.5	1027	17	22		1	17	22	5	19.5
44	071042	40704597	< 2.0	< 1.5	1047	8	10		2	8	10	2	9
47	071043	40704598	< 2.0	< 1.5	1187	5	5		1	5	5	0	5
48	071044	40704599	< 2.0	< 1.5	1134	4	3		3	4	3	-1	3.5
			Mean	6.2	1215.5				Mean	10.5	19.8	19.1	-0.6
			Median	2.1	1191.0				Median	11.0	17.0	15.0	-1.0
			STDEV	9.3	112.0				STDEV	6.2	14.0	15.8	12.4
			Max	29.2	1566.0				Max	26.0	65.0	66.0	35.0
			Min	1.6	1027.0				Min	1.0	3.0	3.0	-30.0

Shelter 211 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
1	071175	40704855	< 2.0	< 1.5	1316	0	0		0	0	0	0
2	071176	40704856	< 2.0	< 1.5	1223	3	2		6	4	-2	5
3	071177	40704857	< 2.0	< 1.5	1230	0	3		0	6	6	3
4	071178	40704858	< 2.0	< 1.5	1344	2	1		4	2	-2	3
5	071179	40704859	< 2.0	< 1.5	1325	1	1		2	2	0	2
6	071180	40704860	< 2.0	< 1.5	1181	4	4		8	8	0	8
7	071181	40704861	< 2.0	< 1.5	1279	1	3		2	6	4	4
8	071182	40704862	< 2.0	< 1.5	1345	3	8	3	6	16	10	11
9	071183	40704863	< 2.0	< 1.5	1233	1	3		2	6	4	4
10	071184	40704864	< 2.0	< 1.5	1180	1	0		2	0	-2	1
11	071185	40704865	< 2.0	< 1.5	1251	5	3	2	10	6	-4	8
12	071186	40704866	< 2.0	< 1.5	1278	2	5		4	10	6	7
13	071187	40704867	< 2.0	< 1.5	1206	1	1		2	2	0	2
14	071188	40704868	< 2.0	< 1.5	1202	2	2		4	4	0	4
15	071189	40704869	< 2.0	< 1.5	1240	2	0		4	0	-4	2
16	071190	40704870	< 2.0	< 1.5	1293	2	1		4	2	-2	3
17	071191	40704871	< 2.0	< 1.5	1256	3	3		6	6	0	6
18	071192	40704872	< 2.0	< 1.5	1182	0	4	1	0	8	8	4
19	071193	40704873	< 2.0	< 1.5	1149	1	2		2	4	2	3
20	071194	40704874	< 2.0	< 1.5	1208	0	3		0	6	6	3
21	071195	40704875	< 2.0	< 1.5	1239	1	2		2	4	2	3
22	071196	40704876	< 2.0	< 1.5	1137	1	2		2	4	2	3
23	071197	40704877	< 2.0	< 1.5	1151	1	2		2	4	2	3
24	071198	40704878	< 2.0	< 1.5	1248	0	2		0	4	4	2
25	071199	40704879	2.3	1.7	1204	2	3		4	6	2	5
26	071200	40704880	< 2.0	< 1.5	1066	7	1	0	14	2	-12	8
27	071201	40704881	< 2.0	< 1.5	1066	2	2		4	4	0	4
28	071202	40704882	< 2.0	< 1.5	1226	1	2		2	4	2	3
29	071203	40704883	< 2.0	< 1.5	1099	2	1		4	2	-2	3
30	071204	40704884	< 2.0	< 1.5	1226	1	3		2	6	4	4
31	071205	40704885	< 2.0	< 1.5	1153	2	3		4	6	2	5

Shelter 211 Grid-Based Measurement Data Summary

Swipe Results					Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Count Rate (cpm)			
Sample Numbers			pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
Cell	Base	AFIOH ID										
32	071206	40704886	< 2.0	< 1.5	1002	1	2		2	4	2	3
33	071207	40704887	< 2.0	< 1.5	1091	8	3	2	16	6	-10	11
34	071208	40704888	< 2.0	< 1.5	1042	2	1		4	2	-2	3
35	071209	40704889	< 2.0	< 1.5	1112	3	1		6	2	-4	4
36	071210	40704890	< 2.0	< 1.5	1055	0	0		0	0	0	0
37	071211	40704891	< 2.0	< 1.5	1103	1	2		2	4	2	3
39	071265	40704892	< 2.0	< 1.5	1436	1	2		2	4	2	3
40	071266	40704893	< 2.0	< 1.5	1338	2	0		4	0	-4	2
41	071267	40704894	< 2.0	< 1.5	1290	2	3		4	6	2	5
42	071268	40704895	< 2.0	< 1.5	1225	2	4		4	8	4	6
43/45	071269	40704896	< 2.0	< 1.5	1230	3	1		6	2	-4	4
44	071270	40704897	< 2.0	< 1.5	1218	0	0		0	0	0	0
47	071271	40704898	< 2.0	< 1.5	1324	6	0		12	0	-12	6
48	071272	40704899	< 2.0	< 1.5	1269	3	2		6	4	-2	5
					Mean				Mean	3.9	4.1	0.2
					Median				Median	4.0	4.0	0.0
					STDEV				STDEV	3.5	3.1	4.5
					Max				Max	16.0	16.0	10.0
					Min				Min	0.0	0.0	-12.0

Shelter 212 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
1	071048	40704720	Empty	Empty	1299	3	3		3	3	0	3
2	071049	40704721	< 2.0	< 1.5	1269	2	2		4	4	0	4
3	071050	40704722	< 2.0	< 1.5	1350	1	3		2	6	4	4
4	071051	40704723	< 2.0	< 1.5	1230	2	3		4	6	2	5
5	071052	40704724	< 2.0	< 1.5	1261	0	1		0	2	2	1
6	071053	40704725	< 2.0	< 1.5	1240	3	2		6	4	-2	5
7	071054	40704726	< 2.0	< 1.5	1252	2	1		4	2	-2	3
8	071055	40704727	< 2.0	< 1.5	1293	2	3	1	4	6	2	5
9	071056	40704728	< 2.0	< 1.5	1338	2	3		4	6	2	5
10	071057	40704729	< 2.0	< 1.5	1247	0	2		0	4	4	2
11	071058	40704730	< 2.0	< 1.5	1282	2	3		4	6	2	5
12	071059	40704731	< 2.0	< 1.5	1403	0	0		0	0	0	0
13	071060	40704732	< 2.0	< 1.5	1260	0	3		0	6	6	3
14	071061	40704733	< 2.0	< 1.5	1218	4	3	0	8	6	-2	7
15	071062	40704734	< 2.0	< 1.5	1241	1	1		2	2	0	2
16	071063	40704735	< 2.0	< 1.5	1264	8	0		16	0	-16	8
17	071064	40704736	< 2.0	< 1.5	1147	4	0		8	0	-8	4
18	071065	40704737	< 2.0	< 1.5	1181	0	0		0	0	0	0
19	071066	40704738	< 2.0	< 1.5	1164	1	1		2	2	0	2
20	071067	40704739	< 2.0	< 1.5	1271	1	0		2	0	-2	1
21	071068	40704740	< 2.0	< 1.5	1214	2	1		4	2	-2	3
22	071069	40704741	< 2.0	< 1.5	1131	1	1		2	2	0	2
23	071070	40704742	< 2.0	< 1.5	1166	7	3	5	14	6	-8	10
24	071071	40704743	< 2.0	< 1.5	1298	2	4	2	4	8	4	6
25	071072	40704744	< 2.0	< 1.5	1201	2	1		4	2	-2	3
26	071073	40704745	< 2.0	< 1.5	1114	3	1		6	2	-4	4
27	071074	40704746	< 2.0	< 1.5	1169	1	1		2	2	0	2
28	071075	40704747	< 2.0	< 1.5	1265	1	0		2	0	-2	1
29	071076	40704748	< 2.0	< 1.5	1135	2	2		4	4	0	4
30	071077	40704749	< 2.0	< 1.5	1253	1	0		2	0	-2	1
31	071078	40704750	< 2.0	< 1.5	1195	0	1		0	2	2	1

Shelter 212 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
32	071079	40704751	< 2.0	< 1.5	1073	0	0		0	0	0	0
33	071080	40704752	< 2.0	< 1.5	1188	2	2		4	4	0	4
34	071081	40704753	< 2.0	< 1.5	1143	0	2		0	4	4	2
35	071082	40704754	< 2.0	< 1.5	1219	1	4	3	2	8	6	5
36	071083	40704755	< 2.0	< 1.5	1101	0	0		0	0	0	0
37	071084	40704756	< 2.0	< 1.5	1114	1	1		2	2	0	2
39	071085	40704757	< 2.0	< 1.5	1305	4	4		8	8	0	8
40	071086	40704758	< 2.0	< 1.5	1209	4	1		8	2	-6	5
41	071087	40704759	< 2.0	< 1.5	1197	0	0		0	0	0	0
42	071088	40704760	< 2.0	< 1.5	1092	0	1		0	2	2	1
43/45	071089	40704761	< 2.0	< 1.5	1100	2	0		4	0	-4	2
44	071090	40704762	< 2.0	< 1.5	1214	2	1		4	2	-2	3
47	071091	40704763	< 2.0	< 1.5	1114	1	0		2	0	-2	1
48	071092	40704764	< 2.0	< 1.5	1105	0	0		0	0	0	0
				Mean	1211.7				Mean	3.4	2.8	-0.5
				Median	1214.0				Median	2.0	2.0	0.0
				STDEV	76.7				STDEV	3.5	2.5	3.8
				Max	1403.0				Max	16.0	8.0	6.0
				Min	1073.0				Min	0.0	0.0	-16.0

Shelter 214 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α-Radiation Counts			α-Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
	Base	AFIOH ID										
1	071093	40704765	< 2.0	< 1.5	1335	0	1		0	2	2	1
2	071094	40704766	< 2.0	< 1.5	1303	3	2		6	4	-2	5
3	071095	40704767	< 2.0	< 1.5	1231	1	4	3	2	8	6	5
4	071096	40704768	< 2.0	< 1.5	1263	0	2		0	4	4	2
5	071097	40704769	< 2.0	< 1.5	1222	0	2		0	4	4	2
6	071098	40704770	< 2.0	< 1.5	1286	0	0		0	0	0	0
7	071099	40704771	< 2.0	< 1.5	1227	4	4	1	8	8	0	8
8	071100	40704772	< 2.0	< 1.5	1401	2	2		4	4	0	4
9	071101	40704773	< 2.0	< 1.5	1162	1	2		2	4	2	3
10	071102	40704774	< 2.0	< 1.5	1282	2	3		4	6	2	5
11	071103	40704775	< 2.0	< 1.5	1290	1	1		2	2	0	2
12	071104	40704776	< 2.0	< 1.5	1373	2	1		4	2	-2	3
13	071105	40704777	< 2.0	< 1.5	1361	4	1	0	8	2	-6	5
14	071106	40704778	< 2.0	< 1.5	1241	2	2		4	4	0	4
15	071107	40704779	< 2.0	< 1.5	1175	1	1		2	2	0	2
16	071108	40704780	< 2.0	< 1.5	1383	2	3		4	6	2	5
17	071109	40704781	2.3	1.7	1267	2	1		4	2	-2	3
18	071110	40704782	1.6	1.2	1159	0	2		0	4	4	2
19	071111	40704783	< 2.0	< 1.5	1191	0	1		0	2	2	1
20	071112	40704784	< 2.0	< 1.5	1283	1	3		2	6	4	4
21	071113	40704785	< 2.0	< 1.5	1240	2	1		4	2	-2	3
22	071114	40704786	< 2.0	< 1.5	1200	3	1		6	2	-4	4
23	071115	40704787	< 2.0	< 1.5	1202	3	0		6	0	-6	3
24	071116	40704788	< 2.0	< 1.5	1330	1	1		2	2	0	2
25	071117	40704789	< 2.0	< 1.5	1233	4	2	1	8	4	-4	6
26	071118	40704790	< 2.0	< 1.5	1090	0	1		0	2	2	1
27	071119	40704791	< 2.0	< 1.5	1165	1	2		2	4	2	3
28	071120	40704792	< 2.0	< 1.5	1327	2	1		4	2	-2	3
29	071121	40704793	< 2.0	< 1.5	1062	2	2		4	4	0	4
30	071122	40704794	< 2.0	< 1.5	1256	0	1		0	2	2	1
31	071123	40704795	< 2.0	< 1.5	1026	3	2		6	4	-2	5

Shelter 214 Grid-Based Measurement Data Summary

Cell	Swipe Results				Integrated FIDLER Count (1 minute)	α -Radiation Counts			α -Radiation Count Rate (cpm)			
	Sample Numbers		pCi per swipe	dpm per 100 cm ²		Before Abrasion	After Abrasion	QA/QC	Before Abrasion	After Abrasion	Difference (After - Before)	Mean
32	071124	40704796	< 2.0	< 1.5	1124	1	0		2	0	-2	1
33	071125	40704797	< 2.0	< 1.5	1132	0	1		0	2	2	1
34	071126	40704798	< 2.0	< 1.5	1158	1	4	2	2	8	6	5
35	071127	40704799	< 2.0	< 1.5	1173	1	1		2	2	0	2
36	071128	40704800	< 2.0	< 1.5	1009	1	2		2	4	2	3
37	071129	40704801	< 2.0	< 1.5	1259	0	1		0	2	2	1
39	071257	40704802	< 2.0	< 1.5	1418	1	2		2	4	2	3
40	071258	40704803	< 2.0	< 1.5	1390	0	1		0	2	2	1
41	071259	40704804	< 2.0	< 1.5	1310	0	3		0	6	6	3
42	071260	40704805	< 2.0	< 1.5	1405	4	4		8	8	0	8
43/45	071261	40704806	< 2.0	< 1.5	1260	0	1		0	2	2	1
44	071262	40704807	< 2.0	< 1.5	1283	1	1		2	2	0	2
47	071263	40704808	< 2.0	< 1.5	1284	1	0		2	0	-2	1
48	071264	40704809	< 2.0	< 1.5	1185	2	2		4	4	0	4
					Mean				Mean	2.8	3.3	0.6
					Median				Median	2.0	2.0	0.0
					STDEV				STDEV	2.5	2.1	2.8
					Max				Max	8.0	8.0	6.0
					Min				Min	0.0	0.0	-6.0

Shelter 102 Grid-Based Measurement Data Summary

Cell	Swipe Results				α -Radiation Counts	α -Radiation Count Rate
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	(cpm)
	Base	AFIOH ID				
1	092060	40902061	< 2.0	< 1.5	2	4
2	092061	40902062	< 2.0	< 1.5	2	4
3	092062	40902063	< 2.0	< 1.5	0	0
4	092063	40902064	< 2.0	< 1.5	3	6
5	092064	40902065	< 2.0	< 1.5	2	4
6	092065	40902066	< 2.0	< 1.5	1	2
7	092066	40902067	< 2.0	< 1.5	1	2
8	092067	40902068	< 2.0	< 1.5	3	6
9	092068	40902069	< 2.0	< 1.5	1	2
10	092069	40902070	< 2.0	< 1.5	0	0
11	092070	40902071	< 2.0	< 1.5	0	0
12	092071	40902072	< 2.0	< 1.5	1	2
13	092072	40902073	< 2.0	< 1.5	1	2
14	092073	40902074	< 2.0	< 1.5	2	4
15	092074	40902075	< 2.0	< 1.5	1	2
16	092075	40902076	< 2.0	< 1.5	0	0
17	092076	40902077	< 2.0	< 1.5	0	0
18	092077	40902078	< 2.0	< 1.5	0	0
19	092078	40902079	< 2.0	< 1.5	1	2
20	092079	40902080	< 2.0	< 1.5	1	2
21	092080	40902081	< 2.0	< 1.5	2	4
22	092081	40902082	< 2.0	< 1.5	1	2
23	092082	40902083	< 2.0	< 1.5	2	4
24	092083	40902084	< 2.0	< 1.5	4	8
25	092084	40902085	< 2.0	< 1.5	0	0
26	092085	40902086	< 2.0	< 1.5	0	0
27	092086	40902087	< 2.0	< 1.5	1	2
28	092087	40902088	< 2.0	< 1.5	1	2
29	092088	40902089	< 2.0	< 1.5	0	0
30	092089	40902090	< 2.0	< 1.5	0	0
31	092090	40902091	< 2.0	< 1.5	0	0
32	092091	40902092	< 2.0	< 1.5	2	4
33	092092	40902093	< 2.0	< 1.5	1	2
34	092093	40902094	< 2.0	< 1.5	1	2
35	092094	40902095	< 2.0	< 1.5	2	4
36	092095	40902096	< 2.0	< 1.5	0	0
37	092096	40902097	< 2.0	< 1.5	2	4
					Mean	2.2
					Median	2.0
					STDEV	2.0
					Max	8.0
					Min	0.0

Shelter 104 Grid-Based Measurement Data Summary

Cell	Swipe Results				α -Radiation Counts	α -Radiation Count Rate
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	(cpm)
	Base	AFIOH ID				
1	092097	40902098	< 2.0	< 1.5	2	4
2	092098	40902099	< 2.0	< 1.5	0	0
3	092099	40902100	< 2.0	< 1.5	1	2
4	092100	40902101	2.3 \pm 1.1	1.7 \pm 0.8	2	4
5	092101	40902102	< 2.0	< 1.5	0	0
6	092102	40902103	< 2.0	< 1.5	3	6
7	092103	40902104	3.5 \pm 1.4	2.6 \pm 1.0	0	0
8	092104	40902105	< 2.0	< 1.5	1	2
9	092105	40902106	< 2.0	< 1.5	1	2
10	092106	40902107	< 2.0	< 1.5	4	8
11	092107	40902108	< 2.0	< 1.5	2	4
12	092108	40902109	< 2.0	< 1.5	0	0
13	092109	40902110	< 2.0	< 1.5	2	4
14	092110	40902111	< 2.0	< 1.5	2	4
15	092111	40902112	< 2.0	< 1.5	1	2
16	092112	40902113	< 2.0	< 1.5	4	8
17	092113	40902114	< 2.0	< 1.5	0	0
18	092114	40902115	< 2.0	< 1.5	1	2
19	092115	40902116	< 2.0	< 1.5	1	2
20	092116	40902117	< 2.0	< 1.5	2	4
21	092117	40902118	< 2.0	< 1.5	0	0
22	092118	40902119	< 2.0	< 1.5	3	6
23	092119	40902120	< 2.0	< 1.5	1	2
24	092120	40902121	< 2.0	< 1.5	0	0
25	092121	40902122	< 2.0	< 1.5	1	2
26	092122	40902123	< 2.0	< 1.5	1	2
27	092123	40902124	< 2.0	< 1.5	1	2
28	092124	40902125	< 2.0	< 1.5	0	0
29	092125	40902126	< 2.0	< 1.5	1	2
30	092126	40902127	< 2.0	< 1.5	0	0
31	092127	40902128	< 2.0	< 1.5	2	4
32	092128	40902129	< 2.0	< 1.5	0	0
33	092129	40902130	< 2.0	< 1.5	1	2
34	092130	40902131	< 2.0	< 1.5	2	4
35	092131	40902132	< 2.0	< 1.5	0	0
36	092132	40902133	< 2.0	< 1.5	1	2
37	092133	40902134	< 2.0	< 1.5	1	2
					Mean	2.4
					Median	2.0
					STDEV	2.2
					Max	8.0
					Min	0.0

Shelter 121 Grid-Based Measurement Data Summary

Cell	Swipe Results				α-Radiation Counts	α-Radiation Count Rate
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	(cpm)
	Base	AFIOH ID				
1	092171	40902171	< 2.0	< 1.5	0	0
2	092172	40902172	< 2.0	< 1.5	0	0
3	092173	40902173	< 2.0	< 1.5	0	0
4	092174	40902174	1.3 ± 0.8	1.0 ± 0.6	2	4
5	092175	40902175	< 2.0	< 1.5	2	4
6	092176	40902176	< 2.0	< 1.5	0	0
7	092177	40902177	< 2.0	< 1.5	1	2
8	092178	40902178	< 2.0	< 1.5	0	0
9	092179	40902179	< 2.0	< 1.5	1	2
10	092180	40902180	1.8 ± 1.0	1.3 ± 0.7	1	2
11	092181	40902181	1.4 ± 0.9	1.0 ± 0.7	2	4
12	092182	40902182	< 2.0	< 1.5	1	2
13	092183	40902183	< 2.0	< 1.5	2	4
14	092184	40902184	< 2.0	< 1.5	2	4
15	092185	40902185	< 2.0	< 1.5	1	2
16	092186	40902186	< 2.0	< 1.5	2	4
17	092187	40902187	< 2.0	< 1.5	0	0
18	092188	40902188	< 2.0	< 1.5	1	2
19	092189	40902189	< 2.0	< 1.5	0	0
20	092190	40902190	< 2.0	< 1.5	1	2
21	092191	40902191	< 2.0	< 1.5	4	8
22	092192	40902192	< 2.0	< 1.5	0	0
23	092193	40902193	2.2 ± 1.1	1.6 ± 0.8	0	0
24	092194	40902194	< 2.0	< 1.5	1	2
25	092195	40902195	< 2.0	< 1.5	2	4
26	092196	40902196	< 2.0	< 1.5	3	6
27	092197	40902197	2.5 ± 1.2	1.9 ± 0.9	1	2
28	092198	40902198	< 2.0	< 1.5	2	4
29	092199	40902199	< 2.0	< 1.5	1	2
30	092200	40902200	< 2.0	< 1.5	1	2
31	092201	40902201	< 2.0	< 1.5	2	4
32	092202	40902202	< 2.0	< 1.5	0	0
33	092203	40902203	< 2.0	< 1.5	2	4
34	092204	40902204	< 2.0	< 1.5	2	4
35	092205	40902205	< 2.0	< 1.5	3	6
36	092206	40902206	< 2.0	< 1.5	2	4
37	092207	40902207	< 2.0	< 1.5	0	0
					Mean	2.4
					Median	2.0
					STDEV	2.1
					Max	8.0
					Min	0.0

Shelter 125 Grid-Based Measurement Data Summary

Cell	Swipe Results				α -Radiation Counts	α -Radiation Count Rate
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	(cpm)
	Base	AFIOH ID				
1	092134	40902135	< 2.0	< 1.5	NA	NA
2	092135	40902136	< 2.0	< 1.5	NA	NA
3	092136	40902137	< 2.0	< 1.5	NA	NA
4	092137	40902138	< 2.0	< 1.5	NA	NA
5	092138	Sample Lost	NA	NA	3	6
6	092139	40902139	< 2.0	< 1.5	1	2
7	092140	40902140	< 2.0	< 1.5	1	2
8	092141	40902141	< 2.0	< 1.5	0	0
9	092142	40902142	< 2.0	< 1.5	1	2
10	092143	40902143	< 2.0	< 1.5	0	0
11	092144	40902144	< 2.0	< 1.5	0	0
12	092145	40902145	< 2.0	< 1.5	0	0
13	092146	40902146	< 2.0	< 1.5	1	2
14	092147	40902147	< 2.0	< 1.5	0	0
15	092148	40902148	< 2.0	< 1.5	0	0
16	092149	40902149	< 2.0	< 1.5	1	2
17	092150	40902150	< 2.0	< 1.5	1	2
18	092151	40902151	< 2.0	< 1.5	1	2
19	092152	40902152	< 2.0	< 1.5	0	0
20	092153	40902153	< 2.0	< 1.5	0	0
21	092154	40902154	< 2.0	< 1.5	1	2
22	092155	40902155	< 2.0	< 1.5	1	2
23	092156	40902156	< 2.0	< 1.5	1	2
24	092157	40902157	< 2.0	< 1.5	1	2
25	092158	40902158	< 2.0	< 1.5	1	2
26	092159	40902159	< 2.0	< 1.5	3	6
27	092160	40902160	< 2.0	< 1.5	2	4
28	092161	40902161	< 2.0	< 1.5	0	0
29	092162	40902162	< 2.0	< 1.5	1	2
30	092163	40902163	< 2.0	< 1.5	3	6
31	092164	40902164	< 2.0	< 1.5	1	2
32	092165	40902165	< 2.0	< 1.5	1	2
33	092166	40902166	< 2.0	< 1.5	1	2
34	092167	40902167	< 2.0	< 1.5	0	0
35	092168	40902168	< 2.0	< 1.5	0	0
36	092169	40902169	< 2.0	< 1.5	2	4
37	092170	40902170	< 2.0	< 1.5	0	0
					Mean	1.8
					Median	2.0
					STDEV	1.8
					Max	6.0
					Min	0.0

Shelter 126 Grid-Based Measurement Data Summary

Cell	Swipe Results				α -Radiation Counts	α -Radiation Count Rate
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	(cpm)
	Base	AFIOH ID				
1	092208	40902208	< 2.0	< 1.5	0	0
2	092209	40902209	< 2.0	< 1.5	1	2
3	092210	40902210	< 2.0	< 1.5	1	2
4	092211	40902211	< 2.0	< 1.5	0	0
5	092212	40902212	< 2.0	< 1.5	0	0
6	092213	40902213	< 2.0	< 1.5	1	2
7	092214	40902214	< 2.0	< 1.5	0	0
8	092215	40902215	< 2.0	< 1.5	2	4
9	092216	40902216	< 2.0	< 1.5	1	2
10	092217	40902217	< 2.0	< 1.5	2	4
11	092218	40902218	< 2.0	< 1.5	3	6
12	092219	40902219	< 2.0	< 1.5	0	0
13	092220	40902220	< 2.0	< 1.5	0	0
14	092221	40902221	< 2.0	< 1.5	0	0
15	092222	40902222	< 2.0	< 1.5	0	0
16	092223	40902223	< 2.0	< 1.5	2	4
17	092224	40902224	< 2.0	< 1.5	0	0
18	092225	40902225	< 2.0	< 1.5	2	4
19	092226	40902226	< 2.0	< 1.5	0	0
20	092227	40902227	< 2.0	< 1.5	0	0
21	092228	40902228	< 2.0	< 1.5	0	0
22	092229	40902229	< 2.0	< 1.5	0	0
23	092230	40902230	< 2.0	< 1.5	0	0
24	092231	40902231	< 2.0	< 1.5	1	2
25	092232	40902232	< 2.0	< 1.5	0	0
26	092233	40902233	< 2.0	< 1.5	3	6
27	092234	40902234	< 2.0	< 1.5	1	2
28	092235	40902235	< 2.0	< 1.5	0	0
29	092236	40902236	< 2.0	< 1.5	3	6
30	092237	40902237	< 2.0	< 1.5	0	0
31	092238	40902238	< 2.0	< 1.5	0	0
32	092239	40902239	< 2.0	< 1.5	2	4
33	092240	40902240	1.3 \pm 0.8	1.0 \pm 0.6	2	4
34	092241	40902241	< 2.0	< 1.5	2	4
35	092242	40902242	< 2.0	< 1.5	0	0
36	092243	40902243	< 2.0	< 1.5	0	0
37	092244	40902244	< 2.0	< 1.5	0	0
					Mean	1.6
					Median	0.0
					STDEV	2.1
					Max	6.0
					Min	0.0

Shelter 201 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	Count Rate (cpm)
	Base	AFIOH ID				
1P	092010	40902012	< 2.0	< 1.5	0	0
1FW					0	0
1SW					0	0
2P	092011	40902013	< 2.0	< 1.5	2	4
2FW					0	0
2SW					0	0
3P	092012	40902014	< 2.0	< 1.5	0	0
3SW					0	0
4P	092013	40902015	< 2.0	< 1.5	1	2
4SW					0	0
5P	092014	40902016	< 2.0	< 1.5	0	0
5SW					0	0
6P	092015	40902017	< 2.0	< 1.5	0	0
6SW					0	0
7P	092016	40902018	1.6 ± 0.9	1.2 ± 0.7	0	0
7SW					1	2
8P	092017	40902019	1.6 ± 0.9	1.2 ± 0.7	0	0
8SW					0	0
9P	092018	40902020	< 2.0	< 1.5	0	0
9SW					0	0
9BW					0	0
10P	092019	40902021	< 2.0	< 1.5	0	0
10SW					1	2
10BW					1	2
					Mean	0.5
					Median	0.0
					STDEV	1.1
					Max	4.0
					Min	0.0

Shelter 203 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	Count Rate (cpm)
	Base	AFIOH ID				
1P	092020	40902021	< 2.0	< 1.5	0	0
1FW					0	0
1SW					0	0
2P	092021	40902022	< 2.0	< 1.5	0	0
2FW					0	0
2SW					0	0
3P	092022	40902023	< 2.0	< 1.5	0	0
3SW					0	0
4P	092023	40902024	< 2.0	< 1.5	0	0
4SW					0	0
5P	092024	40902025	< 2.0	< 1.5	0	0
5SW					0	0
6P	092025	40902026	< 2.0	< 1.5	0	0
6SW					1	2
7P	092026	40902027	< 2.0	< 1.5	0	0
7SW					0	0
8P	092027	40902028	< 2.0	< 1.5	0	0
8SW					0	0
9P	092028	40902029	< 2.0	< 1.5	0	0
9SW					0	0
9BW					0	0
10P	092029	40902030	< 2.0	< 1.5	1	2
10SW					0	0
10BW					0	0
					Mean	0.17
					Median	0.0
					STDEV	0.56
					Max	2.0
					Min	0.0

Shelter 205 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	Count Rate (cpm)
	Base	AFIOH ID				
1P	092030	40902031	< 2.0	< 1.5	1	2
1FW					1	2
1SW					0	0
2P	092031	40902032	< 2.0	< 1.5	0	0
2FW					0	0
2SW					0	0
3P	092032	40902033	< 2.0	< 1.5	2	4
3SW					0	0
4P	092033	40902034	< 2.0	< 1.5	0	0
4SW					2	4
5P	092034	40902035	< 2.0	< 1.5	1	2
5SW					1	2
6P	092035	40902036	< 2.0	< 1.5	1	2
6SW					1	2
7P	092036	40902037	< 2.0	< 1.5	0	0
7SW					0	0
8P	092037	40902038	< 2.0	< 1.5	0	0
8SW					0	0
9P	092038	40902039	< 2.0	< 1.5	0	0
9SW					0	0
9BW					0	0
10P	092039	40902040	< 2.0	< 1.5	1	2
10SW					0	0
10BW					0	0
					Mean	0.92
					Median	0.0
					STDEV	1.3
					Max	4.0
					Min	0.0

Shelter 208 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	Count Rate (cpm)
	Base	AFIOH ID				
1P	092000	40902002	< 2.0	< 1.5	0	0
1FW					2	4
1SW					3	6
2P	092001	40902003	< 2.0	< 1.5	2	4
2FW					2	4
2SW					0	0
3P	092002	40902004	< 2.0	< 1.5	0	0
3SW					0	0
4P	092003	40902005	< 2.0	< 1.5	0	0
4SW					0	0
5P	092004	40902006	< 2.0	< 1.5	0	0
5SW					0	0
6P	092005	40902007	< 2.0	< 1.5	0	0
6SW					1	2
7P	092006	40902008	< 2.0	< 1.5	0	0
7SW					0	0
8P	092007	40902009	< 2.0	< 1.5	0	0
8SW					0	0
9P	092008	409020010	< 2.0	< 1.5	0	0
9SW					1	2
9BW					0	0
10P	092009	409020011	< 2.0	< 1.5	0	0
10SW					0	0
10BW					0	0
					Mean	0.92
					Median	0.0
					STDEV	1.8
					Max	6.0
					Min	0.0

Shelter 209 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per swipe	dpm per 100 cm ²	30-seconds	Count Rate (cpm)
	Base	AFIOH ID				
1P	092040	40902041	8.6 ± 2.1	6.4 ± 1.6	3	6
1FW					0	0
1SW					0	0
2P	092041	40902042	< 2.0	< 1.5	0	0
2FW					0	0
2SW					0	0
3P	092042	40902043	< 2.0	< 1.5	4	8
3SW					0	0
4P	092043	40902044	< 2.0	< 1.5	2	4
4SW					0	0
5P	092044	40902045	< 2.0	< 1.5	2	4
5SW					0	0
6P	092045	40902046	< 2.0	< 1.5	1	2
6SW					0	0
7P	092046	40902047	< 2.0	< 1.5	1	2
7SW					0	0
8P	092047	40902048	< 2.0	< 1.5	0	0
8SW					0	0
9P	092048	40902049	< 2.0	< 1.5	1	2
9SW					1	2
9BW					0	0
10P	092049	40902050	< 2.0	< 1.5	0	0
10SW					0	0
10BW					2	4
					Mean	1.4
					Median	0.0
					STDEV	2.2
					Max	8.0
					Min	0.0

Shelter 210 Grid-Based Measurement Data Summary (Pit)

Cell	Swipe Results				α-Radiation Counts	α-Radiation
	Sample Numbers		pCi per	dpm per	30-seconds	Count Rate
	Base	AFIOH ID	swipe	100 cm ²		(cpm)
1P	092050	40902051	3.1 ± 1.3	2.3 ± 1.0	3	6
1FW					0	0
1SW					0	0
2P	NA				Not Measured	NA
2FW					0	0
2SW					0	0
3P	092052	40902053	< 2.0	< 1.5	94	188
3SW					4	8
4P	NA				Not Measured	NA
4SW					0	0
5P	092054	40902055	< 2.0	< 1.5	7	14
5SW					0	0
6P	092055	40902056	< 2.0	< 1.5	0	0
6SW					0	0
7P	092056	40902057	1.7 ± 1.0	1.3 ± 0.7	15	30
7SW					1	2
8P	092057	40902056	1.3 ± 0.8	1.0 ± 0.6	7	14
8SW					0	0
9P	092058	40902059	< 2.0	< 1.5	0	0
9SW					0	0
9BW					0	0
10P	092059	40902059	< 2.0	< 1.5	7	14
10SW					0	0
10BW					0	0
					Mean	12.5
					Median	0.0
					STDEV	39.9
					Max	188.0
					Min	0.0

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Appendix H

Abrasive Removal Survey Form

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BOMARC Missile Shelter Radiological Data Form for Abrasive Removals (Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 16 Aug 07

Survey Personnel: LtCol Steven Rademacher

Survey Time: 09:00 to 11:30

Shelter Number: 210

Survey Instruments: 1) Meter: Ludlum 2221 (97838)

1) Probe: Bicron x5M-0630
(60005-2918)

Cal. Date: 9 Aug 07

Cal. Date: 9 Aug 07

Bkgd: on contact near front door, Pre-Survey - 6751 counts (5 minutes)
Post-Survey - 7248 counts (5 minutes)

2) Meter: Ludlum 2360 (141310)

3) Probe: Ludlum 43-89 (129863)

Cal. Date: 10 Jan 07

Cal. Date: 10 Jan 07

Bkgd: on contact near front door, Pre-Survey - 23 counts (5 minutes)
Post-Survey - 51 counts (5 minutes)

Specific Findings:

Cell Number	Measurement Time (Pre or Post) Removal	Integrated α -Radiation Count (One-Minute)	Integrated FIDLER Count (One-Minute)
1	Pre	5	1381
	Post	3	1478
31	Pre	32	1519
	Post	6	1435
12	Pre	26	1548
	Post	2	1431
24	Pre	21	1476
	Post	9	1503
Total	Pre	84	5924
	Post	20	5847
Total (Average)	Pre	21	1481
	Post	5	1462

Comments:

Cell Number or Other	Notes
Other	Individual areas abraded had rectangular dimensions: 6 in x 12 in (15.24 cm x 30.48 cm), area = 454.5 cm ² . Individual areas abraded 15 minutes each. Removed material bagged – GS 071488.
Other	23 Aug 07, AFIOH/SDRR preliminary lab screen: 14.9 g sample mass, LeGe analysis showed distinct Pu/Am L-shell x-rays and 59.5 keV γ -ray peak. Average density thickness = 8.2 mg cm ⁻² , (2) ²³⁹⁺²⁴⁰ Pu α -particle penetration range). 04 Sep 07 results (AFIOH/SDRR ID – 10700353), ²⁴¹ Am = 9.97 pCi/g, ²³⁹⁺²⁴⁰ Pu = 55.5 pCi/g, total ²³⁹⁺²⁴⁰ Pu & ²⁴¹ Am = 976 pCi. Abrasive action removed an average α -concentration of 119 dpm/100 cm ² . The total net count rate for the four removed areas = 64 cpm, with a total assessed area of 500 cm ² . Therefore, for a detection efficiency of 0.189, the net average estimated removed concentration is 67.7 dpm/100 cm ² . Conclusion – about 57 % of the ²³⁹⁺²⁴⁰ Pu & ²⁴¹ Am contamination in the concrete surface is detectable by it's α -particle emissions.
Other	Based on the regression of removed to fixed contamination, the estimated α -radiation background is about 3 cpm, with the 43-89. Therefore, the removal operation completed, appeared successful in almost complete removal of the contaminant.

Appendix I

Laboratory Wipe Composite Data Forms

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Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700284

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	CW070772	Serial #	
Workplace or Site ID	0121		
Date Collected	03-Aug-2007	Received	06-Aug-2007
		Completed	17-Aug-2007
Sample Volume	1 g		

EPA CODE N/A	PLUTONIUM 238	9.30E-07 +/- 6.10E-07 MICROCURIES / SAMPLE
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EPA CODE N/A	PLUTONIUM 239	9.25E-05 +/- 1.67E-05 MICROCURIES / SAMPLE
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SHELTER#210- WW071000-WW071047 [45 Systematics + 3 Biased (Discrete Particle Areas
in Cells 6/7, 4/8, and 16)]

With each wipe sample over 300 centimeter-squared area,
total sampled area is: 1.44 meters-squared or 1.14 %
sampling. Therefore, the projected total removable
activity is: 92.5 pCi * 88 = 8.1 nCi. The mean removable
Pu-239+240 activity is 1.43 dpm/100 centimeter-squared,
with the Pu-239+240 & Am-241 calculated as: 1.69 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700285

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070773

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007 Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

< 3.70E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

2.25E-06 +/- 9.30E-07 MICROCURIES / SAMPLE

SHELTER #212- WW0701048-WW071092 (45 wipes)

For 45 wipes, the removable Pu-239+240 is 0.037 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.044 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700286

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070774

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

< 4.10E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

1.59E-06 +/- 7.50E-07 MICROCURIES / SAMPLE

SHELTER#214- WW071093-1129; WW071257-1264

For 45 wipes, the removable Pu-239+240 is 0.026 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.031 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700287

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070775

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

< 4.10E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

1.42E-05 +/- 3.29E-06 MICROCURIES / SAMPLE

SHELTER#208 -WW071130-WW0701174

For 45 wipes, the removable Pu-239+240 is 0.234 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.277 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700288

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070776

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

< 2.20E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

7.22E-06 +/- 1.91E-06 MICROCURIES / SAMPLE

SHELTER#211- WW071175-WW071211; WW071265-WW071272

For 45 wipes, the removable Pu-239+240 is 0.119 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.14 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700289

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070777

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

< 4.60E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

4.92E-06 +/- 1.55E-06 MICROCURIES / SAMPLE

SHELTER#207 -WW071212-1256

For 45 wipes, the removable Pu-239+240 is 0.081 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.096 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700290

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070778

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

7.00E-07 +/- 4.80E-07 MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

4.57E-05 +/- 8.21E-06 MICROCURIES / SAMPLE

SHELTER#209 -WW071273-WW071317

For 45 wipes, the removable Pu-239+240 is 0.75 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.89 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 18-Sep-2007

AFIOH/SDRR ID 10700291

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070779

Serial #

Workplace or Site ID 0121

Date Collected 03-Aug-2007

Received 06-Aug-2007

Completed 17-Aug-2007

Sample Volume 1 g

EPA CODE N/A

PLUTONIUM 238

3.30E-07 +/- 3.20E-07 MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

6.53E-06 +/- 1.78E-06 MICROCURIES / SAMPLE

SHELTER#205 WW071318-WW071354

For 36 wipes, the removable Pu-239+240 is 0.107 dpm/100 cm-2, with the Pu-239+240 and Am-241 at 0.127 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINITY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 25-Sep-2007

AFIOH/SDRR ID 10700339

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070780

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 17-Aug-2007

Completed 23-Aug-2007

Sample Volume 20 ml

EPA CODE N/A

PLUTONIUM 238

< 3.60E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

< 2.30E-07

MICROCURIES / SAMPLE

205-WW071369-WW071376-40706129-40706136

Major Dewey reported the result by telephone on 27 Sep 07
as 0.17 +/- 0.23 pCi/sample, therefore Pu-239+240 = 0.0028 dpm/100 cm-2,
Pu-239+240 & Am-241 = 0.0033 dpm/100 cm-2.
Total for 205 (w/ CW 0700779) Pu-239+240 & Am-241 = 0.1303 dpm/100 cm-2.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTAINTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 25-Sep-2007

AFIOH/SDRR ID 10700340

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070781

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 17-Aug-2007 Completed 23-Aug-2007

Sample Volume 20 ml

EPA CODE N/A

PLUTONIUM 238

< 2.80E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

1.46E-06 +/- 8.00E-07 MICROCURIES / SAMPLE

WW071377-WW071421 (201)

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 25-Sep-2007

AFIOH/SDRR ID 10700341

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # CW070782

Serial #

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 17-Aug-2007

Completed 23-Aug-2007

Sample Volume 20 ml

EPA CODE N/A

PLUTONIUM 238

< 4.00E-07

MICROCURIES / SAMPLE

EPA CODE N/A

PLUTONIUM 239

9.87E-06 +/- 2.34E-06 MICROCURIES / SAMPLE

203-WW071422-WW071466 40706182-40706226

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

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Appendix J
Calibration Certificates

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DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
BROOKS CITY-BASE TEXAS

CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2360 Serial # 145470 Index # 05093 Date: 7 Nov 06
Mfg. Ludlum Model 43-89 Serial # 129869 Index # N/A Cal. Due Date: 7 Nov 07

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
Am-241	MU857	30 Sep 04	43440
Tc-99	MU858	28 Sep 04	59520

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 Oct 07

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☐ Window Op.

As Found HV 895 VDC Temperature 72 °F Relative Humidity 72 %

Volt. Set 920 V Beta Threshold 3.5 mV Beta Window 30 mV Alpha Threshold 120 mV

HV Readout (2 points) Reference: 500 V Reference: 1000 V
Inst. Readout: 500 V $\pm 2\%$ Inst. Readout: 1000 V $\pm 2\%$

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	410 000 CPM	410 000 CPM
x 1000	100 CPM	100 000 CPM	100 000 CPM
x 100	400 CPM	41000 CPM	41000 CPM
x 100	100 CPM	10000 CPM	10000 CPM
x 10	400 CPM	4100 CPM	4100 CPM
x 10	100 CPM	1000 CPM	1000 CPM
x 1	400 CPM	410 CPM	410 CPM
x 1	100 CPM	105 CPM	100 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
400,000 CPM	395227 CPM	395227 CPM

*UNCERTAINTY WITHIN $\pm 10\%$ CORRECTION FACTOR WITHIN $\pm 20\%$

COMMENTS: Calibration Interval = 1 year

Hv (920 v)

α eff: 18.6 % 4pi @ 1/4"

β eff: 8.2 % 4pi @ 1/4"

SCANNED

Calibrated By: Joseph Huron

Date: 7 Nov 06

Reviewed By: James M. (JRM) 279

Date: 07 Nov 06



DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
BROOKS CITY-BASE TEXAS

CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 43-89 Serial # 129869 Index # N/A Date: 7 Nov 06
Mfg. Ludlum Model 2360 Serial # 145470 Index # 05093 Cal. Due Date: 7 Nov 07

As Found High Voltage 895 VDC Alpha Input Sensitivity 120 mV
Beta Input Sensitivity 3.5 mV Window 30 mV

Count Time 60 sec. Distance from Source to Detector 1/4 in.

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
Am-241	MU857	30 Sep 04	43440
Tc-99	MU858	28 Sep 04	59520

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 Oct 07

HIGH VOLTAGE DETERMINATION

High Voltage	Background		Alpha Source		Alpha CrossTalk		Beta Source		Beta CrossTalk	
	Alpha	Beta	Alpha	Beta	cross talk	% eff.	Alpha	Beta	cross talk	% eff.
870	0	110	7499	472	4.8%	17.3%	1	3040	0.03%	4.9%
895	1	173	7839	543	4.7%	18.0%	2	4080	0.02%	6.6%
920	2	296	8053	724	5.3%	18.5%	3	5185	0.02%	8.2%
945	2	494	8308	1140	7.8%	19.1%	2	6229	0.00%	9.6%
970	1	888	8177	1589	8.6%	18.8%	3	7544	0.03%	11.2%

Final High Voltage Setting 920 VDC

DETECTOR UNIFORMITY AND EFFICIENCY

	Alpha Source	Beta Source	Other
Source Location	43,440 DPM	59,520 DPM	DPM
Heel	8311 CPM	5583 CPM	CPM
Center	7983 CPM	5303 CPM	CPM
Toe	7899 CPM	4688 CPM	CPM
Average	8064.3 CPM	5191.3 CPM	CPM
4π Efficiency	18.6 %	8.2 %	%

EFFICIENCY = ((GCPM - BCPM) ÷ DPM) × 100%

COMMENTS: Calibration Interval = 1 year
Hv (920v)

SCANNED

Calibrated By:

Joseph Huxon

Date: 7 Nov 06

Reviewed By:

James S. Huxon (180)

Date: 07 Nov 06



DEPARTMENT OF THE AIR FORCE Pg 1 of 2
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
BROOKS CITY-BASE TEXAS

CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2360 Serial # 141310 Index # 05098 Date: 10 Jan 07
Mfg. Ludlum Model 43-89 Serial # 129863 Index # N/A Cal. Due Date: 10 Jan 08

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
Am 241	MU857	30 Sep 04	43440
Tc 99	MU858	28 Sep 04	59520

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 OCT 07

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 914 VDC Temperature 70 °F Relative Humidity 29 %

Volt. Set 925 V Beta Threshold 3.5 mV Beta Window 30 mV Alpha Threshold 120 mV

HV Readout (2 points) Reference: 500 V Reference: 1000 V
Inst. Readout: 500 V \pm 2% Inst. Readout: 1000 V \pm 2%

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	400 000	CPM 400 000 CPM
x 1000	100 CPM	100 000	CPM 100 000 CPM
x 100	400 CPM	40 000	CPM 40 000 CPM
x 100	100 CPM	10 000	CPM 10 000 CPM
x 10	400 CPM	4 000	CPM 4 000 CPM
x 10	100 CPM	1 000	CPM 1 000 CPM
x 1	400 CPM	400	CPM 400 CPM
x 1	100 CPM	100	CPM 100 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
400,000 CPM	39412 CPM	39412 CPM

*UNCERTAINTY WITHIN \pm 10% CORRECTION FACTOR WITHIN \pm 20%

COMMENTS: Calibration Interval = 1 year
HV (925v)

Detector Parameters on Pg 2

SCANNED

Calibrated By: Joseph Hixon

Date: 10 Jan 2007

Reviewed By: Chris S. Miller 281

Date: 12 Jan 07



Pg 2 of 2

DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
BROOKS CITY-BASE TEXAS

CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2360 Serial # 141310 Index # 05098 Date: 10Jan07
Mfg. Ludlum Model 43-89 Serial # 129863 Index # N/A Cal. Due Date: 10Jan08

As Found High Voltage 914 VDC Alpha Input Sensitivity 120 mV
Beta Input Sensitivity 3.5 mV Window 30 mV

Count Time 60 sec. Distance from Source to Detector 1/4 in.

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
Am241	M4857	30 Sep 04	43440
Tc 99	Mu858	28 Sep 04	59520

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 OCT 07

HIGH VOLTAGE DETERMINATION

High Voltage	Background		Alpha Source		Alpha CrossTalk		Beta Source		Beta CrossTalk	
	Alpha	Beta	Alpha	Beta	cross talk	% eff.	Alpha	Beta	cross talk	% eff.
875	0	97	7994	612	6.4%	18.4%	0	4566	0.00%	7.5
900	1	209	8328	824	7.4%	19.2%	0	5865	-0.02%	9.5
925	0	268	8329	1070	9.6%	19.2%	1	6778	0.01%	10.9
950	3	350	8336	1526	14.1%	19.2%	0	8150	-0.04%	13.1
975	1	454	8486	2300	21.8%	19.5%	1	9208	0.00%	14.7

Final High Voltage Setting 925 VDC

DETECTOR UNIFORMITY AND EFFICIENCY

Source Location	Alpha Source 43440 DPM	Beta Source 59520 DPM	Other DPM
Heel	8336 CPM	6949 CPM	CPM
Center	8279 CPM	7041 CPM	CPM
Toe	8077 CPM	6283 CPM	CPM
Average	8230.7 CPM	6757.7 CPM	CPM
4PI Efficiency	18.9 %	10.9 %	%

$$\text{EFFICIENCY} = ((\text{GCPM} - \text{BCPM}) \div \text{DPM}) \times 100\%$$

COMMENTS: Calibration Interval = 1 year

Hv (925v)

Detector Eff: α 18.9% 4pi @ 1/4"
 β 10.9% 4pi @ 1/4"

SCANNED

Calibrated By: Joseph L. Hinton

Date: 10 Jan 2007

Reviewed By: David J. Hinton 282

Date: 12 Jan 07



Pg 1 of 4

DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
RADIATION SURVEILLANCE DIVISION (SDR)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2221 Serial # 97838 Index # 05566 Date: 16 Apr 07
Mfg. Bicron Model 5XM-0630 Serial # 60004-0235 Index # N/A Cal. Due Date: 16 Apr 08
St. Gobain
5BL-X

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
Am-241	MU849	1 Nov 04	2364K
Am-241	RP 742	—	10µCi

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 Oct 07

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 1002 VDC Temperature 76 °F Relative Humidity 52 %

Final Volt. Set 900 VDC Threshold (LLD) 10 mV Window (ULD) 20 mV Window width 10 mV

HV Readout (2 points) Reference: 500 V Reference: 1000 V
Inst. Readout: 500 V ± 2% Inst. Readout: 1000 V ± 2%

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	400000 CPM	400000 CPM
x 1000	100 CPM	100000 CPM	100000 CPM
x 100	400 CPM	40000 CPM	40000 CPM
x 100	100 CPM	10000 CPM	10000 CPM
x 10	400 CPM	4000 CPM	4000 CPM
x 10	100 CPM	1000 CPM	1000 CPM
x 1	400 CPM	395 CPM	395 CPM
x 1	100 CPM	100 CPM	100 CPM
Log Scale	200 CPM	200 CPM	200 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
40,000 CPM	39597 CPM	39597 CPM

*UNCERTAINTY WITHIN ± 10% CORRECTION FACTOR WITHIN ± 20%

COMMENTS: Calibration Interval = 1 year

Detector Parameters on Pg 2

Calibrated By: [Signature]

Date: 16 Apr 2007

Reviewed By: [Signature] 283

Date: 30 Apr 07

SCANNED

Hotspot FIDLER Text File Output
Hotspot FIDLER Calibration Information

Report Date : Apr 16 2007 10:49 PM
Calibration Date : April 16, 2001
Target Mix : Plutonium Mixture
Radionuclide : Am-241
Detector Barcode Number :
Meter Barcode Number :
Detector Manufacturer : Bicron/St Gobain
Detector Model Number : 5XM.063Q
Detector Serial Number : 60004-0235
Meter Manufacturer : Ludlum
Meter Model Number : 2221
Meter Serial Number : 97838

Check Source I.D. : RP 742
Calibration Date : April 16, 2001
Calibrated by : Jocelyn Nixon
Check Source Activity (uCi): 1.000E+01
Check Source 17-keV Self : 6.000E-01

Sample Counting Time (minutes) : 1.000E+00
Detector Height (cm) : 3.000E+01
Plutonium Mixture Initial (Time:0) Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

60-keV window Information:
Background (cpm) : 1317.000
Areal Limit of Sensitivity (uCi/m2): 7.5E-02
Point Limit of Sensitivity (uCi) : 3.3E-02
K-factor (m2) : 0.44

Counting Data
0-cm: 52915.000
20-cm: 33944.000
40-cm: 13677.000
60-cm: 5819.000
80-cm: 3171.000
100-cm: 2194.000

Instrument Type : Fidler
Window Option: Only 60 keV
Units: Classic

This is an actual FIDLER calibration, and the values are typical of most FIDLER configurations.

Detector Calibration Results

Plutonium Mixture Current Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

Hotspot FIDLER Text File Output

Alpha Specific Activity (Ci/gram)	:	3.4279	curie / gram
Total Specific Activity (Ci/gram)	:	3.4279	curie / gram
60-keV Detector Efficiency (cpm/(ug/m2))	:	7.8E+03	
60-keV Detector Efficiency (cpm/(uCi/m2))	:	2.3E+03	
60-keV Detector Areal LOS (uCi/m2)	:	7.5E-02	
60-keV Detector Point LOS (uCi)	:	3.3E-02	
60-keV Detector Background Rate (cpm)	:	1317.000	
60-keV Detector Check Source Rate (cpm)	:	51,598	
60-keV Detector K-Factor (m2)	:	0.44	
60-keV Detector K-Factor sdev (%)	:	3.3	
17-keV Detector Efficiency (cpm/(ug/m2))	:	0.0E+00	
17-keV Detector Efficiency (cpm/(uCi/m2))	:	0.0E+00	
17-keV Detector Areal LOS (uCi/m2)	:	0.0E+00	
17-keV Detector Point LOS (uCi)	:	0.0E+00	
17-keV Detector Background Rate (cpm)	:	0.000	
17-keV Detector Check Source Rate (cpm)	:	0	
17-keV Detector K-Factor (m2)	:	0.44	
17-keV Detector K-Factor sdev (%)	:		

EFFICIENCY

$$Am-241 = 2300 \text{ CPM/uCi/m}^2$$



DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
BROOKS CITY-BASE TEXAS

Pg 1 of 4

CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 222i Serial # 169248 Index # 05679 Date: 23 Jan 07
Mfg. BICRON Model 5XM.0630/5BLX Serial # 60005-2900 Index # 098878 Cal. Due Date: 23 Jan 08
St Gobain

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources				Reference Instruments			
Isotope	Serial #	Cert. Date	DPM	Mfg.	Model	Serial #	Cal. Due Date
Am-241	MU849	1 Nov 04	2364 K	Ludlum	500-1	102951	10 OCT 07
Am-241	RP 741	(10uei)					

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 844 VDC Temperature 78 °F Relative Humidity 21 %

Final Volt. Set 800 VDC Threshold(40) 10 mV (40) 20 mV ^{WIDTH OF} Window 10 mV

HV Readout (2 points) Reference: 500 V Reference: 1000 V
Inst. Readout: 500 V \pm 2% Inst. Readout: 1000 V \pm 2%

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	390000 CPM	390000 CPM
x 1000	100 CPM	100000 CPM	100000 CPM
x 100	400 CPM	39000 CPM	39000 CPM
x 100	100 CPM	10000 CPM	10000 CPM
x 10	400 CPM	3950 CPM	3950 CPM
x 10	100 CPM	1000 CPM	1000 CPM
x 1	400 CPM	400 CPM	400 CPM
x 1	100 CPM	100 CPM	100 CPM
Log Scale	200 CPM	200 CPM	200 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
40,000 CPM	394779 CPM	394779 CPM

*UNCERTAINTY WITHIN \pm 10% CORRECTION FACTOR WITHIN \pm 20%

COMMENTS: Calibration Interval = 1 year

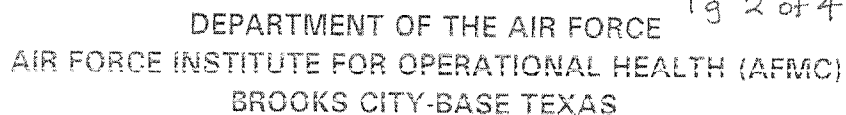
Detector Parameters on Pg 2-4

Calibrated By: J. J. J. J. J.

Date: 23 Jan 2007

Reviewed By: J. J. J. J. J.

Date: 29 JAN 2007



Meter

Date: 23 Jan 07

Mfg. LUDWIM Model 2221 Serial # 169248 Index # 05679 Cal. Due Date: 23 Jan 08

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Reference Instruments

Isotope	Serial #	Cert. Date	DPM
Am241	MU849	1 Nov 04	2364K
Am241	BP741	(10mc)	

Mfg	Model	Serial #	Cal. Due Date
Ludlum	500-1	102951	10 OCT 07

NaI DETECTOR HIGH VOLTAGE OPTIMIZATION

Probe #1

Probe #2

Probe #3

Mfg. Bicon/St Gobain

Mfg. Same as Probe #1

Mfg.

Model 5XM-0630/5BLX

Model BKG:4409

Model

Serial # 60005-2900

Serial #

Serial #

Index # 098878

Index #

index #

Isotope: Am-241 (MUSAG) @ 6"

isotope:

Isotope: _____

High Voltage	PHA CPM
650	420
675	727
700	1373
725	2142
750	14529
775	37052
800	38189
825	15522
850	10432
875	19863

High Voltage	GROSS CPM
650	993
700	2296
750	39657
800	42630
850	46393
900	62262
950	76371
1000	76821
1050	77309
1100	77636
1150	77687
1200	78316
1250	79477
1300	84519

[illegible]

Final Volt. Set 800 VDC

Final Volt. Set 8.00 VDC

Final Volt. Set	VDC
-----------------	-----

Efficiency See Remarks

Efficiency See Remarks.

Efficiency

COMMENTS: Calibration Interval = 1 year HV (800v)
EFF: Am-241 PHA-4200 CPM/μci/m² 4π @ 12"
EFF: Am-241 GROSS-1.62% 4π @ 6"

Calibrated By: Isabella Nixon

Date : 23 Jan 07

Reviewed By: _____

Date: 29 Jan 07

Hotspot FIDLER Text File Output
Hotspot FIDLER Calibration Information

Report Date : Jan 24 2007 07:42 PM
Calibration Date : January 23, 2007
Target Mix : Plutonium Mixture
Radionuclide : Am-241
Detector Barcode Number :
Meter Barcode Number :
Detector Manufacturer : Bicron/St. Gobain
Detector Model Number : 5XM.063Q/5BL-X
Detector Serial Number : 60005-2900
Meter Manufacturer : Ludlum
Meter Model Number : 2221
Meter Serial Number : 169248

Check Source I.D. : RP 741
Calibration Date : January 23, 2007
Calibrated by : Jocelyn Nixon
Check Source Activity (uCi): 1.000E+01
Check Source 17-kev Self : 1.000E-01

Sample Counting Time (minutes) : 1.000E+00
Detector Height (cm) : 3.000E+01
Plutonium Mixture Initial (Time:0) Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

60-kev window Information:
Background (cpm) : 871.000
Areal Limit of Sensitivity (uCi/m2): 3.3E-02
Point Limit of Sensitivity (uCi) : 1.5E-02
K-factor (m2) : 0.45

Counting Data
0-cm: 93639.000
20-cm: 56621.000
40-cm: 21929.000
60-cm: 9106.000
80-cm: 4732.000
100-cm: 2819.000

Instrument Type : Fidler
Window Option: Only 60 kev
Units: Classic

This is an actual FIDLER calibration, and the values are typical of most FIDLER configurations.

Detector Calibration Results

Plutonium Mixture Current Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

Alpha Specific Activity (Ci/gram)	:	3.4279	curie / gram
Total Specific Activity (Ci/gram)	:	3.4279	curie / gram
60-keV Detector Efficiency (cpm/(ug/m2))	:	1.4E+04	
60-keV Detector Efficiency (cpm/(uCi/m2))	:	4.2E+03	
60-keV Detector Areal LOS (uCi/m2)	:	3.3E-02	
60-keV Detector Point LOS (uCi)	:	1.5E-02	
60-keV Detector Background Rate (cpm)	:	871.000	
60-keV Detector Check Source Rate (cpm)	:	92,768	
60-keV Detector K-Factor (m2)	:	0.45	
60-keV Detector K-Factor sdev (%)	:	2.3	
17-keV Detector Efficiency (cpm/(ug/m2))	:	0.0E+00	
17-keV Detector Efficiency (cpm/(uCi/m2))	:	0.0E+00	
17-keV Detector Areal LOS (uCi/m2)	:	0.0E+00	
17-keV Detector Point LOS (uCi)	:	0.0E+00	
17-keV Detector Background Rate (cpm)	:	0.000	
17-keV Detector Check Source Rate (cpm)	:	0	
17-keV Detector K-Factor (m2)	:	0.45	
17-keV Detector K-Factor sdev (%)	:		

EFF : $Am\ 241 = 4100\ \text{CPM}/\mu\text{Ci}/\text{m}^2$



DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMO)
RADIATION SURVEILLANCE DIVISION (SDR)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2221 Serial # 97838 Index # 05560 Date: 9 Aug 07
Mfg. Bicron / St. Gobain Model 5xm.063a1 SBI-X Serial # 60005-2918 Index # 098880 Cal. Due Date: 9 Aug 08

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Reference Instruments

Isotope	Serial #	Cert. Date	DPM	Mfg.	Model	Serial #	Cal. Due Date
AM241	MU849	1 Nov 04	2354.569	Ludlum	500-1	102951	10 Oct 2007
AM241	RP741	—	10 uCi				

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 897 VDC Temperature 74 °F Relative Humidity 75 %

Final Volt. Set 700 VDC Threshold (LLD) 10 mV Window (ULD) 20 mV Window width 10 mV

HV Readout (2 points) Reference: 500 V Reference: 1000 V
Inst. Readout: 500 V $\pm 2\%$ Inst. Readout: 1000 V $\pm 2\%$

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	400000 CPM	400000 CPM
x 1000	100 CPM	100000 CPM	100000 CPM
x 100	400 CPM	40000 CPM	40000 CPM
x 100	100 CPM	10000 CPM	10000 CPM
x 10	400 CPM	4000 CPM	4000 CPM
x 10	100 CPM	1000 CPM	1000 CPM
x 1	400 CPM	400 CPM	400 CPM
x 1	100 CPM	100 CPM	100 CPM
Log Scale	200 CPM	200 CPM	200 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
40,000 CPM	394/2 CPM	394/2 CPM

*UNCERTAINTY WITHIN $\pm 10\%$ CORRECTION FACTOR WITHIN $\pm 20\%$

COMMENTS: Calibration Interval = 1 year

Detector Parameter on Pg 2

SCANNED

Calibrated By: [Signature]

Date: 9 Aug 2007

Reviewed By: [Signature] 291

Date: 09 Aug 07



DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
RADIATION SURVEILLANCE DIVISION (SDR)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Meter

Date: 9 Aug 07

Mfg. Ludlum Model 2221 Serial # 97838 Index # 05566 Cal. Due Date: 9 Aug 08

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Reference Instruments

Isotope	Serial #	Cert. Date	DPM	Mfg.	Model	Serial #	Cal. Due Date
Am 241	MU849	1 Nov 04	2354569	Ludlum	500-1	102951	10 oct 2007
Am 241	RP741	—	10441				

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

NaI DETECTOR HIGH VOLTAGE OPTIMIZATION

Probe #1

Mfg. Bicron/St. Gobain

Model 5xm.063Q/5BL-X

Serial # 60005-2918

Index # 098880

Isotope: Am-241 (m0849)

Probe #2

Mfg. Same As Probe #1

Model 1

Serial # _____

Index #	
---------	--

Isotope:

Probe #3

Mfg. _____

Model _____

Serial # _____

Index # _____

Isotope: _____

High Voltage	WIN 'IN' CPM
650	1731
700	33312
750	12990
800	22393
850	17778
900	1773
950	321
1000	345
1050	937
1100	3090
1150	6150
1200	9029
Blank@200v	1414

Final Volt. Set 700 VDC

Efficiency *see Comments*

High Voltage	Win 'out' CPM
650	2352
700	35247
750	43782
800	61741
850	69813
900	69779
950	69939
1000	70331
1050	70927
1100	73063
1150	77135
1200	82488
BKG @ 950v	4050

Final Volt. Set 9.50 VDC

Efficiency 2.80% 4pi@6"

[illegible]

Final Volt. Set	VDC
-----------------	-----

Efficiency

COMMENTS: Calibration Interval = 1 year

EFF: Window IN 60 KeV Am241 3700 cpm/ $\mu\text{Ci}/\text{m}^2$ 4pi@12"

FWHM: 7.79 keV

SCANNED

Calibrated By: Nalay

Date : 9 Aug 2007

Reviewed By: Wesley M 292

Date: 07 Aug 07

Hotspot FIDLER Text File Output
Hotspot FIDLER Calibration Information

Report Date : Aug 09 2007 09:16 PM
Calibration Date : Aug 9, 2007
Target Mix : Plutonium Mixture
Radionuclide : Am-241
Detector Barcode Number :
Meter Barcode Number :
Detector Manufacturer : BICRON/ST. GOBAIN
Detector Model Number : 5xm.063Q/5BL-X
Detector Serial Number : 60005-2918
Meter Manufacturer : Ludlum
Meter Model Number : 2221
Meter Serial Number : 97838

Check Source I.D. : RP-741
Calibration Date : Aug 9, 2007
Calibrated by : Jalayne Powers
Check Source Activity (uCi): 1.000E+01
Check Source 17-keV Self : 1.000E-01

Sample Counting Time (minutes) : 1.000E+00
Detector Height (cm) : 3.000E+01
Plutonium Mixture Initial (Time:0) Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

60-keV window Information:
Background (cpm) : 1414.000
Areal Limit of Sensitivity (uCi/m2): 4.8E-02
Point Limit of Sensitivity (uCi) : 2.2E-02
K-factor (m2) : 0.45

Counting Data
0-cm: 82529.000
20-cm: 51239.000
40-cm: 19416.000
60-cm: 8677.000
80-cm: 4913.000
100-cm: 3133.000

Instrument Type : Fidler
Window Option: Only 60 keV
Units: Classic

This is an actual FIDLER calibration, and the values are typical of most FIDLER configurations.

Detector Calibration Results

Plutonium Mixture Current Information:
Mixture Age (years): 0.00
Pu-238 (%): 0.0000
Pu-239 (%): 0.0000
Pu-240 (%): 0.0000
Pu-241 (%): 0.0000
Pu-242 (%): 0.0000
Am-241 (%): 100.0000

Hotspot FIDLER Text File Output

Alpha Specific Activity (Ci/gram)	:	3.4279	curie / gram
Total Specific Activity (Ci/gram)	:	3.4279	curie / gram
60-keV Detector Efficiency (cpm/(ug/m2))	:	1.3E+04	
60-keV Detector Efficiency (cpm/(uCi/m2))	:	3.7E+03	
60-keV Detector Areal LOS (uCi/m2)	:	4.8E-02	
60-keV Detector Point LOS (uCi)	:	2.2E-02	
60-keV Detector Background Rate (cpm)	:	1414.000	
60-keV Detector Check Source Rate (cpm)	:	81,115	
60-keV Detector K-Factor (m2)	:	0.45	
60-keV Detector K-Factor sdev (%)	:	2.5	
17-keV Detector Efficiency (cpm/(ug/m2))	:	0.0E+00	
17-keV Detector Efficiency (cpm/(uCi/m2))	:	0.0E+00	
17-keV Detector Areal LOS (uCi/m2)	:	0.0E+00	
17-keV Detector Point LOS (uCi)	:	0.0E+00	
17-keV Detector Background Rate (cpm)	:	0.000	
17-keV Detector Check Source Rate (cpm)	:	0	
17-keV Detector K-Factor (m2)	:	0.45	
17-keV Detector K-Factor sdev (%)	:		

EFF: AM-241 = 3700 cpm/uCi/m²

65153

AIR FORCE PRIMARY STANDARDS LABORATORY

CERTIFICATE OF CALIBRATION

Report Number: 070310109 Department: Photonics/Nucleonics Date of Issue: 20070326

Calibration Item:

Manufacturer: NUCLEAR RESEARCH CORPORATION
Model/Part No.: ADM-300
Equipment Type: RADIAC METER, MULTI-FUNCTION
Serial Number: SM-190601
ID Number: F285394

Equipment Submitted by:

311 MSG/LGRM
2415 SIDNEY BROOKS ROAD
BROOKS CITY-BASE, TX, 78235-5104

Item Condition/Special Customer Requirements:

As Received:

- ☐ In Tolerance
☐ Out of Tolerance
☒ Inoperative

As Returned:

- ☐ In Tolerance
☐ Out of Tolerance
☒ Adjusted/Repaired in Tolerance (See Service Report)

Room Ambient Conditions:

Temperature: 70.60 °F Relative Humidity: 39.30 % Barometric Pressure: N/A

Remarks:

Traceability: Measurement standards and test equipment used are traceable to the International System of Units (SI) through the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities; or to other National Metrology Institutes (NMI); or have been derived from accepted values of natural physical constants; or mutual consent standards; or have been derived by the ratio or reciprocity type measurement techniques.

General Conditions:

- The standards and calibration program of the AFPSL, as operated by The Bionetics Corporation, Newark Metrology Operations, complies with the requirements of the current version of ISO/IEC 17025 on the date of calibration.
- This report may not be reproduced, except in full, without written approval of The Bionetics Corporation, Newark Metrology Operations.

Calibrated By:

Michael Maxwell Metrology Technician



Approved By:

Regina Litten Metrology Technician

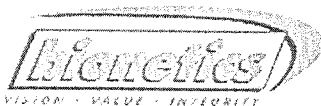


Phone: (740) 788-5451

E-mail: Mike.Maxwell@afmetcal.af.mil

Phone: (740) 788-5451

E-mail: Regina.Litten@afmetcal.af.mil



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

Report Number: 070310109
Date of Issue: 20070326
Model/Part No.: ADM-300
Serial Number: SM-190601

Procedures and Equipment Used

PROCEDURES

Procedure
33K7-4-170-1

Date
30 Oct 2006

EQUIPMENT

Nomenclature
CESIUM-137 STANDARD

Model/Part No.
81-10

ID No.
P71210

NIST Report No.
N/A

Cal Due Date
20080901

The reported value(s) and uncertainties resulting from the measurement process are:

Report of Measurement

Gamma Calibration

Applied	Actual Reading
250 R/hr	257R/hr
100 R/hr	101R/hr
25 R/hr	24.8R/hr
250 mR/hr	256mR/hr
2 mR/hr	2.03mR/hr

- The instrument calibration results are accurate to within $\pm 15\%$ of true dose.



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

THE BIONETICS CORPORATION
NEWARK METROLOGY OPERATIONS

SERVICE REPORT

Report Number: 070310109

Department:
Photonics/Nucleonics

Date of Issue: 20070326

Calibration Item:

Manufacturer: Nuclear Research Corporation
Model/Part No.: ADM-300
Equipment Type: Radiac Meter, Multi-Function
Serial Number: SM-190601
ID Number: F285394

Equipment Submitted by:

311 MSG/LGRM
2415 SIDNEY BROOKS ROAD
BROOKS CITY-BASE, TX, 78235-5104

Repair Report Section:

Problem Stated by Customer: None

Evaluation: Ti read 49.4 R/hr with 250 R/hr low and out of tolerance.

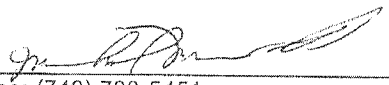
Work Performed: Sent out for contract repair and calibrated IAW 33K7-4-170-1.

Adjustment Report Section:

As Received Data: N/A

As Returned Data: N/A

Work Performed By:
Michael Maxwell Metrology Technician


Phone: (740) 788-5451



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

05153

AIR FORCE PRIMARY STANDARDS LABORATORY

CERTIFICATE OF CALIBRATION

Report Number: 070310111

Department: Photonics/Nucleonics

Date of Issue: 20070326

Calibration Item:

Manufacturer: NUCLEAR RESEARCH CORPORATION

Model/Part No.: BP-100

Equipment Type: BETA PROBE

Serial Number: BP- 690540

ID Number: F285392

Equipment Submitted by:

311 MSG/LGRM

2415 SIDNEY BROOKS ROAD

BROOKS CITY-BASE, TX, 78235-5104

Item Condition/Special Customer Requirements:

As Received:

☒ In Tolerance☐ Out of Tolerance☐ Inoperative

As Returned:

☒ In Tolerance☐ Out of Tolerance☐ Adjusted/Repaired in Tolerance (See Service Report)**Room Ambient Conditions:**

Temperature: 69.10 °F

Relative Humidity: 35.60 %

Barometric Pressure: N/A

Remarks:

Traceability: Measurement standards and test equipment used are traceable to the International System of Units (SI) through the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities; or to other National Metrology Institutes (NMI); or have been derived from accepted values of natural physical constants; or mutual consent standards; or have been derived by the ratio or reciprocity type measurement techniques.

General Conditions:

1. The standards and calibration program of the AFPSL, as operated by The Bionetics Corporation, Newark Metrology Operations, complies with the requirements of the current version of ISO/IEC 17025 on the date of calibration.
2. This report may not be reproduced, except in full, without written approval of The Bionetics Corporation, Newark Metrology Operations.

Calibrated By:

Michael Maxwell Metrology Technician

**Approved By:**

Regina Litten Metrology Technician



Phone: (740) 788-5451

E-mail: Mike.Maxwell@afmetcal.af.mil

Phone: (740) 788-5451

E-mail: Regina.Litten@afmetcal.af.mil



813 Irving-Wick Drive West, Heath, Ohio 43056-6118

TEL: (740) 788-5400

FAX: (740) 788-5404

Report Number: 070310111
Date of Issue: 20070326
Model/Part No.: BP-100
Serial Number: BP- 690540

Procedures and Equipment Used

PROCEDURES

Procedure
33K7-4-170-1

Date
30 Oct 2006

EQUIPMENT

Nomenclature
BETA SOURCE SET

Model/Part No.
BF-090-A

ID No.
P71032

NIST Report No.
N/A

Cal Due Date
ICO

The reported value(s) and uncertainties resulting from the measurement process are:

Report of Measurement

- The Beta probe efficiency is 50.45% of the 2π emission rate of a Sr-90 source.
- The instrument calibration results are accurate to within $\pm 15\%$ of previously certified value.



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

05153

AIR FORCE PRIMARY STANDARDS LABORATORY

CERTIFICATE OF CALIBRATION

Report Number: 070310110

Department: Photonics/Nucleonics

Date of Issue: 20070326

Calibration Item:

Manufacturer: NUCLEAR RESEARCH CORPORATION

Model/Part No.: XP-100

Equipment Type: X-RAY PROBE

Serial Number: XP- 690580

ID Number: F285393

Equipment Submitted by:

311 MSG/LGRM

2415 SIDNEY BROOKS ROAD

BROOKS CITY-BASE, TX, 78235-5104

Item Condition/Special Customer Requirements:

As Received:

☒ In Tolerance

☐ Out of Tolerance

☐ Inoperative

As Returned:

☒ In Tolerance

☐ Out of Tolerance

☐ Adjusted/Repaired in Tolerance (See Service Report)

Room Ambient Conditions:

Temperature: 69.10 °F

Relative Humidity: 35.60 %

Barometric Pressure: N/A

Remarks:

Traceability: Measurement standards and test equipment used are traceable to the International System of Units (SI) through the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities; or to other National Metrology Institutes (NMI); or have been derived from accepted values of natural physical constants; or mutual consent standards; or have been derived by the ratio or reciprocity type measurement techniques.

General Conditions:

1. The standards and calibration program of the AFPSL, as operated by The Bionetics Corporation, Newark Metrology Operations, complies with the requirements of the current version of ISO/IEC 17025 on the date of calibration.
2. This report may not be reproduced, except in full, without written approval of The Bionetics Corporation, Newark Metrology Operations.

Calibrated By:

Michael Maxwell Metrology Technician



Approved By:

Regina Litten Metrology Technician



Phone: (740) 788-5451

E-mail: Mike.Maxwell@afmetcal.af.mil

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813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

Report Number: 070310110
Date of Issue: 20070326
Model/Part No.: XP-100
Serial Number: XP- 690580

Procedures and Equipment Used

PROCEDURES

Procedure

33K7-4-170-1

Date

30 Oct 2006

EQUIPMENT

Nomenclature

LOW ENERGY GAMMA SOURCE

Model/Part No.

AMR8122

ID No.

P71107

NIST Report No.

N/A

Cal Due Date

ICO

The reported value(s) and uncertainties resulting from the measurement process are:

Report of Measurement

- The X-ray probe efficiency is 16.42% of the 17Kev, 2π emission rate of an Am-241 source.



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

AIR FORCE PRIMARY STANDARDS LABORATORY

CERTIFICATE OF CALIBRATION

Report Number: 070310108

Department: Photonics/Nucleonics

Date of Issue: 20070326

Calibration Item:

Manufacturer: NUCLEAR RESEARCH CORPORATION

Model/Part No.: AP-100A

Equipment Type: ALPHA PROBE

Serial Number: AP- 690544

ID Number: F285395

Equipment Submitted by:

311 MSG/LGRM

2415 SIDNEY BROOKS ROAD

BROOKS CITY-BASE, TX, 78235-5104

Item Condition/Special Customer Requirements:

As Received:

☒ In Tolerance

☐ Out of Tolerance

☐ Inoperative

As Returned:

☒ In Tolerance

☐ Out of Tolerance

☐ Adjusted/Repaired in Tolerance (See Service Report)

Room Ambient Conditions:

Temperature: 69.10 °F

Relative Humidity: 35.60 %

Barometric Pressure: N/A

Remarks:

Traceability: Measurement standards and test equipment used are traceable to the International System of Units (SI) through the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities; or to other National Metrology Institutes (NMI); or have been derived from accepted values of natural physical constants; or mutual consent standards; or have been derived by the ratio or reciprocity type measurement techniques.

General Conditions:

1. The standards and calibration program of the AFPSL, as operated by The Bionetics Corporation, Newark Metrology Operations, complies with the requirements of the current version of ISO/IEC 17025 on the date of calibration.
2. This report may not be reproduced, except in full, without written approval of The Bionetics Corporation, Newark Metrology Operations.

Calibrated By:

Michael Maxwell Metrology Technician



Approved By:

Regina Litten Metrology Technician



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813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404

Report Number: 070310108
Date of Issue: 20070326
Model/Part No.: AP-100A
Serial Number: AP- 690544

Procedures and Equipment Used

PROCEDURES

Procedure
33K7-4-170-1

Date
30 Oct 2006

EQUIPMENT

Nomenclature
PU239 PRIMARY STANDARD

Model/Part No.
AN/UDM-6

ID No.
P71005

NIST Report No.
273539-06

Cal Due Date
20070425

The reported value(s) and uncertainties resulting from the measurement process are:

Report of Measurement

Alpha Calibration

AN/UDM 6	Applied	T.I. Reading
Source 7407	13,860 CPM	14,000 CPM
Source 7408	143,460 CPM	152,000 CPM

- The instrument calibration results are accurate to within $\pm 15\%$ of the true dose.



813 Irving-Wick Drive West, Heath, Ohio 43056-6118 TEL: (740) 788-5400 FAX: (740) 788-5404



CANBERRA
Canberra Albuquerque
8401 Washington Pl NE
Albuquerque NM 87113 USA
Phone: 505-828-9100
Fax: 505-828-9115

CERTIFICATE OF CALIBRATION

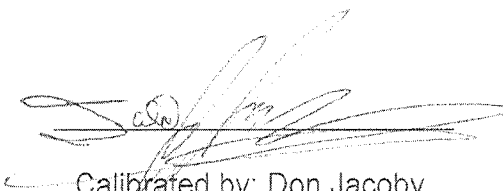
INSTRUMENT TYPE:	X-Ray	SERIAL #:	04073720
MANUFACTURER:	Canberra Albuquerque	TEMPERATURE:	72° F
MODEL #:	XP-110	HUMIDITY:	17 %
CHECK SOURCE #:	04073720	SOURCE REF. #:	Am-241 #215
TOLERANCE:	+/- 10%	CUSTOMER:	Medical Logistics
		MO / PO #:	0600076B / CAI 0004

<u>CALIBRATION POINT</u>	<u>ACTUAL</u> <u>READING</u>
17 keV >19Kcpm	21.5 Kcpm
60 keV >40 Kcpm	45.3 Kcpm
Peak Align > 10.8 Kcpm	11.6 Kcpm
Th232 for peak align provided with probe	
Sum	66.8 Kcpm

Note: Data represents direct counts
Efficiencies are not stored in ADM300
Any efficiencies used must be calculated

Date Calibrated: 4/26/2007

Date due: 4/26/2008*


Calibrated by: Don Jacoby

* Or as required by local Radiation Safety Policy.

All reference standards used by Canberra Albuquerque are N.I.S.T. certified or N.I.S.T. traceable. Calibration meets the requirements of MIL-STD-45662A.
This certificate shall not be reproduced except in full, without the consent of Canberra Albuquerque.

**CANBERRA**

Canberra Albuquerque
8401 Washington Pl. NE
Albuquerque NM 87113
Phone 505-828-9100
Fax 505-828-9115

CERTIFICATE OF CONFORMANCE**Sold To: Medical Logistics**

Attn: Mr. Keyes

8045 Crouch Road, Bldg 1163

Brooks City-Base

TX

78235

Ship Date: 4-26-2007**PO:** CAI 0004**MO:** 0600076B

Canberra Albuquerque hereby certifies that all articles delivered against the above referenced purchase have been tested in accordance with all applicable specification. In addition, performance and operation either meet, or exceed, the specified values. Records are on file to verify compliance.

Quantity	Description	SERIAL NUMBER(s)
2	XP 110 Modified	04073720, 04073721

Signature: _____

James Miller
Quality Assurance Manager



Pg 1 of 2

**DEPARTMENT OF THE AIR FORCE
USAF SCHOOL OF AEROSPACE MEDICINE (AFMC)
OCCUPATIONAL ENVIRONMENTAL HEALTH/RADIATION HEALTH (OEHH)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION**

Mfg. Ludlum Model 2224 Serial # 125659 Index # 05556 Date: 1 Dec 2008
Mfg. Ludlum Model 43-89 Serial # 172257 Index # N/A Cal. Due Date: 1 Dec 2009

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
<u>Am 241</u>	<u>MU857</u>	<u>30 Sep 04</u>	<u>43164</u>
<u>Tc 99</u>	<u>MU858</u>	<u>28 Sep 04</u>	<u>59519</u>

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
<u>Ludlum</u>	<u>500-1</u>	<u>102952</u>	<u>5 Jun 09</u>

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 630 VDC Temperature 74 °F Relative Humidity 21 %

Volt. Set 650 V Beta Threshold 3.5 mV Beta Window 33.5 mV Alpha Threshold 120 mV

HV Readout (2 points) Reference: 500 V Reference: 1500 V
Inst. Readout: 500 V \pm 2% Inst. Readout: 1510 V \pm 2%

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	400000 CPM	400000 CPM
x 1000	100 CPM	100000 CPM	100000 CPM
x 100	400 CPM	40000 CPM	40000 CPM
x 100	100 CPM	10000 CPM	10000 CPM
x 10	400 CPM	4000 CPM	4000 CPM
x 10	100 CPM	1000 CPM	1000 CPM
x 1	400 CPM	400 CPM	400 CPM
x 1	100 CPM	100 CPM	100 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
<u>40,000 CPM</u>	<u>39372</u> CPM	<u>39372</u> CPM

*UNCERTAINTY WITHIN \pm 10% CORRECTION FACTOR WITHIN \pm 20%

COMMENTS: Calibration Interval = 1 year

SCANNED

Detector Parameters on Pg 2

Procedural Authority - ICP#22244389

Calibrated By: [Signature]

Date: 1 Dec 2008

Reviewed By: [Signature] 306

Date: 11 Dec 08



Pg 2 of 2

DEPARTMENT OF THE AIR FORCE
USAF SCHOOL OF AEROSPACE MEDICINE (AFMC)
OCCUPATIONAL ENVIRONMENTAL HEALTH/RADIATION HEALTH (OEHH)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2224-1 Serial # 125659 Index # 05556 Date: 1 Dec 08
Mfg. Ludlum Model 43-89 Serial # 172257 Index # N/A Cal. Due Date: 1 Dec 09

As Found High Voltage 630 VDC Alpha Input Sensitivity 120 mV
Beta Input Sensitivity 3.5 mV Window 33.5 mV

Count Time 60 sec. Distance from Source to Detector 1/4 in.

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	DPM
<u>Am 241</u>	<u>MU857</u>	<u>30 Sep 04</u>	<u>43164</u>
<u>TC 99</u>	<u>MU858</u>	<u>28 Sep 04</u>	<u>59519</u>

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
<u>Ludlum</u>	<u>500-1</u>	<u>102952</u>	<u>5 Jun 09</u>

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

HIGH VOLTAGE DETERMINATION

High Voltage	Background		Alpha Source		Alpha CrossTalk		Beta Source		Beta CrossTalk	
	Alpha	Beta	Alpha	Beta	cross talk	% eff.	Alpha	Beta	cross talk	% eff.
<u>600</u>	<u>1</u>	<u>62</u>	<u>6637</u>	<u>779</u>	<u>10.8%</u>	<u>15.4</u>	<u>1</u>	<u>2164</u>	<u>0.00%</u>	<u>3.5</u>
<u>625</u>	<u>0</u>	<u>106</u>	<u>7406</u>	<u>793</u>	<u>9.3%</u>	<u>17.2</u>	<u>0</u>	<u>3934</u>	<u>0.00%</u>	<u>6.4</u>
<u>650</u>	<u>0</u>	<u>163</u>	<u>7850</u>	<u>940</u>	<u>9.9%</u>	<u>18.2</u>	<u>0</u>	<u>5554</u>	<u>0.00%</u>	<u>9.1</u>
<u>675</u>	<u>1</u>	<u>276</u>	<u>7942</u>	<u>1384</u>	<u>14.0%</u>	<u>18.4</u>	<u>1</u>	<u>7093</u>	<u>0.00%</u>	<u>11.5</u>
<u>700</u>	<u>1</u>	<u>356</u>	<u>8209</u>	<u>2307</u>	<u>23.8%</u>	<u>19.0</u>	<u>1</u>	<u>9041</u>	<u>0.00%</u>	<u>14.6</u>

Final High Voltage Setting 650 VDC

DETECTOR UNIFORMITY AND EFFICIENCY

	Alpha Source		Beta Source		Other
Source Location	<u>43164</u>	DPM	<u>59519</u>	DPM	DPM
Heel	<u>8048</u>	CPM	<u>5891</u>	CPM	CPM
Center	<u>7861</u>	CPM	<u>5674</u>	CPM	CPM
Toe	<u>7868</u>	CPM	<u>6140</u>	CPM	CPM
Average	<u>7925.7</u>	CPM	<u>5901.7</u>	CPM	CPM
4π Efficiency	<u>18.4</u>	%	<u>9.6</u>	%	%

$$\text{EFFICIENCY} = ((\text{GCPM} - \text{BCPM}) \div \text{DPM}) \times 100\%$$

COMMENTS: Calibration Interval = 1 year HV (650 VDC)

EFF: α 18.4% 4pi @ 1/4"
 β 9.6% 4pi @ 1/4"

SCANNED

Calibrated By: [Signature]

Date: 1 Dec 2008

Reviewed By: [Signature]

Date: 11 Dec 08



Pg 1 of 2

DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
RADIATION SURVEILLANCE DIVISION (SDR)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2224 -1 Serial # 137727 Index # 05715 Date: 12 Jan 09
Mfg. Ludlum Model 43-89 Serial # 173343 Index # N/A Cal. Due Date: 12 Jan 10

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	EPM
Am 241	MU857	30 Sep 04	21572
Tc 99	MU858	28 Sep 04	29760

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
Ludlum	500-1	102952	5 Jun 2009

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

☒ Battery Ck. ☒ Mechanical Ck. ☒ Meter Zeroed ☒ Reset Ck. ☒ Alarm Ck.
☒ Audio Ck. ☒ Geotropism Ck. ☒ F/S Resp. Ck. ☒ Window Op.

As Found HV 633 VDC Temperature 73 °F Relative Humidity 23 %

Volt. Set 625 V Beta Threshold 3.5 mV Beta Window 33.5 mV Alpha Threshold 120 mV

HV Readout (2 points) Reference: 500 V Reference: 1500 V
Inst. Readout: 500 V \pm 2% Inst. Readout: 1500 V \pm 2%

RANGE MULTIPLIER	REFERENCE CAL. POINT	"AS FOUND" READING	CORRECTED READING
x 1000	400 CPM	400 000	CPM 400 000 CPM
x 1000	100 CPM	100 000	CPM 100 000 CPM
x 100	400 CPM	41 000	CPM 40 000 CPM
x 100	100 CPM	10 000	CPM 10 000 CPM
x 10	400 CPM	4 100	CPM 4 000 CPM
x 10	100 CPM	1 000	CPM 1 000 CPM
x 1	400 CPM	4 10	CPM 4 00 CPM
x 1	100 CPM	1 00	CPM 1 00 CPM

DIGITAL SCALER READOUT

CAL. REF. POINT	AS FOUND READING	CORRECTED READING
40,000 CPM	39425 CPM	39425 CPM

*UNCERTAINTY WITHIN \pm 10% CORRECTION FACTOR WITHIN \pm 20%

COMMENTS: Calibration Interval = 1 year
EPM=2 π Emission Rate per Min

SCANNED

Detector Parameters on Pg 2

Procedural Authority - ICP#22244389

Calibrated By: [Signature]

Date: 12 Jan 2009

Reviewed By: [Signature] 308

Date: 04 Feb 09



Pg 2 of 2

DEPARTMENT OF THE AIR FORCE
AIR FORCE INSTITUTE FOR OPERATIONAL HEALTH (AFMC)
RADIATION SURVEILLANCE DIVISION (SDR)
BROOKS CITY-BASE TEXAS
CERTIFICATE OF CALIBRATION

Mfg. Ludlum Model 2224-1 Serial # 137727 Index # 05715 Date: 12 Jan 09
Mfg. Ludlum Model 43-89 Serial # 173343 Index # N/A Cal. Due Date: 12 Jan 10

As Found High Voltage 633 VDC Alpha Input Sensitivity 120 mV
Beta Input Sensitivity 3.5 mV Window 33.5 mV

Count Time 60 sec. Distance from Source to Detector 1/4 in.

TEST, MEASUREMENT AND DIAGNOSTIC EQUIPMENT

NIST Traceable Check Sources

Isotope	Serial #	Cert. Date	EPM
<u>Am 241</u>	<u>MU857</u>	<u>30 Sep 04</u>	<u>21572</u>
<u>Tc 99</u>	<u>MU858</u>	<u>28 Sep 04</u>	<u>29760</u>

Reference Instruments

Mfg.	Model	Serial #	Cal. Due Date
<u>Ludlum</u>	<u>500-1</u>	<u>102952</u>	<u>5 Jun 2009</u>

Measurement Standards and test equipment used are traceable to the National Institute of Standards and Technology, to the extent allowed by the Institute's calibration facilities.

HIGH VOLTAGE DETERMINATION

High Voltage	Background		Alpha Source		Alpha CrossTalk		Beta Source		Beta CrossTalk	
	Alpha	Beta	Alpha	Beta	cross talk	% eff.	Alpha	Beta	cross talk	% eff.
<u>575</u>	<u>3</u>	<u>72</u>	<u>6129</u>	<u>983</u>	<u>14.9%</u>	<u>28.4</u>	<u>5</u>	<u>1240</u>	<u>0.16%</u>	<u>3.9</u>
<u>600</u>	<u>1</u>	<u>91</u>	<u>7342</u>	<u>923</u>	<u>11.3%</u>	<u>34.0</u>	<u>5</u>	<u>2794</u>	<u>0.14%</u>	<u>9.1</u>
<u>625</u>	<u>1</u>	<u>186</u>	<u>7761</u>	<u>954</u>	<u>9.9%</u>	<u>36.0</u>	<u>1</u>	<u>4503</u>	<u>0.00%</u>	<u>14.5</u>
<u>650</u>	<u>1</u>	<u>240</u>	<u>8201</u>	<u>1309</u>	<u>13.0%</u>	<u>38.0</u>	<u>5</u>	<u>6497</u>	<u>0.06%</u>	<u>21.0</u>
<u>675</u>	<u>1</u>	<u>288</u>	<u>8502</u>	<u>2224</u>	<u>22.8%</u>	<u>39.4</u>	<u>4</u>	<u>8200</u>	<u>0.04%</u>	<u>26.6</u>

Final High Voltage Setting 625 VDC

DETECTOR UNIFORMITY AND EFFICIENCY

Source Location	Alpha Source 21572 EPM	Beta Source 29760 EPM	Other EPM
Heel	7948 CPM	4579 CPM	CPM
Center	7890 CPM	4551 CPM	CPM
Toe	7966 CPM	4569 CPM	CPM
Average	7934.7 CPM	4566.3 CPM	CPM
Instrument Efficiency	36.8 %	14.7 %	%

$$\text{EFFICIENCY} = ((\text{GCPM} - \text{BCPM}) \div \text{EPM}) \times 100\%$$

COMMENTS: Calibration Interval = 1 year

EPM=2 π Emission Rate per Min

Surface Area of Detector: 125 Active area cm²

SCANNED

Calibrated By: [Signature]

Date: 12 Jan 2009

Reviewed By: [Signature] 309

Date: 04 Feb 09



of
Scientific and Industrial
Instruments

CERTIFICATE OF CALIBRATION

LUDLUM MEASUREMENTS, INC.
POST OFFICE BOX 810 PH. 325-235-5494
501 OAK STREET FAX NO. 325-235-4672
SWEETWATER, TEXAS 79556, U.S.A.

CUSTOMER MCGUIRE AFB- #305 MEDICAL GROUP

ORDER NO. 20112930/327877

mfg. Ludlum Measurements, Inc. Model 2221 Serial No. 218610
mfg. ALPHA SPECTRA Model QB2/5B Serial No. 03160L
Cal. Date 20-Jul-08 Cal Due Date 20-Jul-09 Cal. Interval 1 Year Meterface 202-159
check mark ☒ Applies to applicable instr. and/or detector IAW mfg. spec. T. 74 °F RH 47 % Alt 702.8 mm Hg
☐ New Instrument Instrument Received ☒ Within Toler. $\pm 10\%$ ☐ 10-20% ☐ Out of Tol. ☐ Requiring Repair ☐ Other-See comments
☒ Mechanical ck. ☒ Meter Zeroed ☒ Background Subtract ☒ Input Sens. Linearity
☒ F/S Resp. ck. ☒ Reset ck. ☒ Window Operation ☒ Geotropism
☒ Audio ck. ☐ Alarm Setting ck. ☒ Batt. ck. (Min. Volt) 4.4 VDC
☒ Calibrated in accordance with LMI SOP 14.8 rev 12/05/89. ☐ Calibrated in accordance with LMI SOP 14.9 rev 02/07/97.
Instrument Volt Set 950 V Input Sens. 10 mV Det. Oper. 950 V at 10 mV Threshold Dial Ratio 100 = 10 mV
☒ HV Readout (2 points) Ref./Inst. 500 / 499 V Ref./Inst. 2000 / 2002 V

COMMENTS:

FirmWare = 261010

High voltage set w/ detector connected.

Gamma Calibration. GM detectors positioned perpendicular to source except for M 44-9 in which the front of probe faces source.

RANGE/MULTIPLIER	REFERENCE CAL. POINT	INSTRUMENT REC'D "AS FOUND READING"	INSTRUMENT METER READING*
X 1K	400kcpm	400	400
X 1K	100kcpm	100	100
X 100	40kcpm	400	400
X 100	10kcpm	100	100
X 10	4kcpm	400	400
X 10	1kcpm	100	100
X 1	400cpm	400	400
X 1	100cpm	100	100

*Uncertainty within $\pm 10\%$ C.F. within $\pm 20\%$

ALL Range(s) Calibrated Electronically

REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*	Log Scale	REFERENCE CAL. POINT	INSTRUMENT RECEIVED	INSTRUMENT METER READING*
400kcpm	40169(6)	40169(6)		500kcpm	450 K	450 K
40kcpm	4019(6)	4019(6)		50kcpm	50 K	50 K
4kcpm	402(6)	402(6)		5kcpm	5 K	5 K
400cpm	40(6)	40(6)		500cpm	550	550
40cpm	4(6)	4(6)		50cpm	50	50

Ludlum Measurements, Inc. certifies that the above instrument has been calibrated by standards traceable to the National Institute of Standards and Technology, or to the calibration facilities of
or International Standards Organization members, or have been derived from accepted values of natural physical constants or have been derived by the ratio type of calibration techniques.
calibration system conforms to the requirements of ANSI/NCSL Z540-1-1994 and ANSI N323-1978

State of Texas Calibration License No. LO-1963

Reference Instruments and/or Sources: ☐ S-394/1122 ☐ 1131 ☐ 781 ☐ 059 ☐ 280

☐ 137 Gamma S/N ☐ 1162 ☐ G112 ☐ M585 ☐ 5105 ☐ T1008 ☐ T879 ☐ E552 ☐ E551 ☐ 720 ☐ 734 ☐ 1616 ☐ Neutron Am-241 Be S/N T-304

☐ Alpha S/N ☐ Beta S/N ☒ Other I-129 1087

☒ m 500 S/N 57881 ☐ Oscilloscope S/N ☒ Multimeter S/N 56110559R

Calibrated By: Michael J. Sherrin Date 20-July-08

Reviewed By: Rhonda Hain Date 22 Jul 08

This certificate shall not be reproduced except in full, without the written approval of Ludlum Measurements, Inc. 310
FORM C22A 01/29/2008

AC Inst. ☐ Passed Dielectric (Hi-Pot) and Continuity Test
Only ☐ Failed



POST OFFICE BOX 810 PH. 325-235-5494
501 OAK STREET FAX NO. 325-235-4672
SWEETWATER, TEXAS 79556, U.S.A.

Bench Test Data For Detector

Detector QB2/5B Serial No. 031602

Customer MCGUIRE AFB- #305 MEDICAL GROUP

Order #. 20112930/327877

Counter 2221 Serial No. 218610

Counter Input Sensitivity 10 mV

Count Time 6 sec Distance Source to Detector Surface

Other _____

[illegible]

Signature

Date. 20-July-08

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Appendix K

Wilcoxon Ranked Sum Test Evaluations

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Survey Data					Wilcoxon Rank Sum Test					
Cell	Static Count Rates on Floors [Before Abrasion] – (cpm)		Surface Concentration (dpm/100 cm ²)		Ranked Concentration (dpm/100 cm ²)	Shelter	Rank	Ranked Concentration (dpm/100 cm ²)	Shelter	Rank
	Shelter 210	Shelter 214	Shelter 210	Shelter 214 (Adjusted)						
1	21	0	88.8	181.0	12.7	210	1.5	181.0	214	48.0
2	9	6	38.1	206.4	12.7	210	1.5	181.0	214	48.0
3	14	2	59.2	189.5	16.9	210	3.5	181.0	214	48.0
4	21	0	88.8	181.0	16.9	210	3.5	181.0	214	48.0
5	7	0	29.6	181.0	21.2	210	6.0	181.0	214	48.0
6	12	0	50.8	181.0	21.2	210	6.0	181.0	214	48.0
7	29	8	122.7	214.8	21.2	210	6.0	181.0	214	48.0
8	22	4	93.1	197.9	29.6	210	8.5	181.0	214	48.0
9	4	2	16.9	189.5	29.6	210	8.5	181.0	214	48.0
10	37	4	156.5	197.9	33.8	210	11.5	186.1	210	55.0
11	23	2	97.3	189.5	33.8	210	11.5	189.5	214	62.5
12	22	4	93.1	197.9	38.1	210	11.5	189.5	214	62.5
13	3	8	12.7	214.8	38.1	210	11.5	189.5	214	62.5
14	3	4	12.7	197.9	46.5	210	14.0	189.5	214	62.5
15	23	2	97.3	189.5	50.8	210	15.0	189.5	214	62.5
16	15	4	63.5	197.9	55.0	210	16.0	189.5	214	62.5
17	19	4	80.4	197.9	59.2	210	17.0	189.5	214	62.5
18	37	0	156.5	181.0	63.5	210	18.5	189.5	214	62.5
19	54	0	228.4	181.0	63.5	210	18.5	189.5	214	62.5
20	11	2	46.5	189.5	67.7	210	21.0	189.5	214	62.5
21	16	4	67.7	197.9	67.7	210	21.0	189.5	214	62.5
22	16	6	67.7	206.4	67.7	210	21.0	189.5	214	62.5
23	22	6	93.1	206.4	71.9	210	23.5	189.5	214	62.5
24	26	2	110.0	189.5	71.9	210	23.5	189.5	214	62.5
25	20	8	84.6	214.8	80.4	210	25.0	190.4	210	70.0
26	8	0	33.8	181.0	84.6	210	26.0	197.9	214	75.5
27	34	2	143.8	189.5	88.8	210	27.5	197.9	214	75.5
28	26	4	110.0	197.9	88.8	210	27.5	197.9	214	75.5
29	25	4	105.8	197.9	93.1	210	30.0	197.9	214	75.5
30	16	0	67.7	181.0	93.1	210	30.0	197.9	214	75.5
31	44	6	186.1	206.4	93.1	210	30.0	197.9	214	75.5
32	13	2	55.0	189.5	97.3	210	32.5	197.9	214	75.5
33	17	0	71.9	181.0	97.3	210	32.5	197.9	214	75.5
34	65	2	275.0	189.5	105.8	210	34.0	197.9	214	75.5
35	35	2	148.1	189.5	110.0	210	35.5	197.9	214	75.5
36	5	2	21.2	189.5	110.0	210	35.5	206.4	214	82.5
37	9	0	38.1	181.0	122.7	210	37.0	206.4	214	82.5
39	15	2	63.5	189.5	143.8	210	38.0	206.4	214	82.5
40	7	0	29.6	181.0	148.1	210	39.0	206.4	214	82.5
41	45	0	190.4	181.0	156.5	210	40.5	214.8	214	86.5
42	5	8	21.2	214.8	156.5	210	40.5	214.8	214	86.5
43/45	17	0	71.9	181.0	181.0	214	48.0	214.8	214	86.5
44	8	2	33.8	189.5	181.0	214	48.0	214.8	214	86.5
47	5	2	21.2	189.5	181.0	214	48.0	228.4	210	89.0
48	4	4	16.9	197.9	181.0	214	48.0	275.0	210	90.0
Wilcoxon Rank Sum Test [Critical Value, $\alpha = 0.05$] = 2250					Sum Reference Shelter (214) = 2930.0					PASS
m = 45		n = 45		z = 1.645	Sum Both Shelters = 4095		DCGL(dpm/100 cm ²) = 181			

Survey Data					Wilcoxon Rank Sum Test					
Cell	Count Rates on Floors (cpm)		Surface Concentration (dpm/100 cm ²)		Ranked Concentration (dpm/100 cm ²)	Shelter	Rank	Ranked Concentration (dpm/100 cm ²)	Shelter	Rank
	Shelter 210 Scanning	Shelter 214	Shelter 210	Shelter 214 (Adjusted)						
1	22	0	93.1	181.0	4.2	210	2.5	52.5	214	48.5
2	15	6	63.5	206.4	4.2	210	2.5	52.5	214	48.5
3	18	2	76.1	189.5	4.2	210	2.5	52.5	214	48.5
4	12	0	50.8	181.0	4.2	210	2.5	52.5	214	48.5
5	5	0	21.2	181.0	8.5	210	5.5	52.5	214	48.5
6	13	0	55.0	181.0	8.5	210	5.5	52.5	214	48.5
7	17	8	71.9	214.8	12.7	210	8.0	52.5	214	48.5
8	16	4	67.7	197.9	12.7	210	8.0	52.5	214	48.5
9	10	2	42.3	189.5	12.7	210	8.0	52.5	214	48.5
10	6	4	25.4	197.9	21.2	210	10.5	52.5	214	48.5
11	8	2	33.8	189.5	21.2	210	10.5	55.0	210	57.0
12	26	4	110.0	197.9	25.4	210	13.0	55.0	210	57.0
13	6	8	25.4	214.8	25.4	210	13.0	55.0	210	57.0
14	19	4	80.4	197.9	25.4	210	13.0	59.2	210	59.5
15	11	2	46.5	189.5	33.8	210	16.0	59.2	210	59.5
16	13	4	55.0	197.9	33.8	210	16.0	60.9	214	65.5
17	12	4	50.8	197.9	33.8	210	16.0	60.9	214	65.5
18	10	0	42.3	181.0	38.1	210	18.5	60.9	214	65.5
19	14	0	59.2	181.0	38.1	210	18.5	60.9	214	65.5
20	16	2	67.7	189.5	42.3	210	21.0	60.9	214	65.5
21	12	4	50.8	197.9	42.3	210	21.0	60.9	214	65.5
22	2	6	8.5	206.4	42.3	210	21.0	60.9	214	65.5
23	9	6	38.1	206.4	44.0	214	29.0	60.9	214	65.5
24	20	2	84.6	189.5	44.0	214	29.0	60.9	214	65.5
25	9	8	38.1	214.8	44.0	214	29.0	60.9	214	65.5
26	8	0	33.8	181.0	44.0	214	29.0	63.5	210	71.0
27	11	2	46.5	189.5	44.0	214	29.0	67.7	210	73.0
28	17	4	71.9	197.9	44.0	214	29.0	67.7	210	73.0
29	12	4	50.8	197.9	44.0	214	29.0	67.7	210	73.0
30	8	0	33.8	181.0	44.0	214	29.0	69.4	214	76.5
31	14	6	59.2	206.4	44.0	214	29.0	69.4	214	76.5
32	16	2	67.7	189.5	44.0	214	29.0	69.4	214	76.5
33	10	0	42.3	181.0	44.0	214	29.0	69.4	214	76.5
34	17	2	71.9	189.5	44.0	214	29.0	71.9	210	80.0
35	13	2	55.0	189.5	44.0	214	29.0	71.9	210	80.0
36	3	2	12.7	189.5	46.5	210	36.5	71.9	210	80.0
37	6	0	25.4	181.0	46.5	210	36.5	76.1	210	82.0
39	5	2	21.2	189.5	50.8	210	39.5	77.8	214	84.5
40	1	0	4.2	181.0	50.8	210	39.5	77.8	214	84.5
41	3	0	12.7	181.0	50.8	210	39.5	77.8	214	84.5
42	1	8	4.2	214.8	50.8	210	39.5	77.8	214	84.5
43/45	1	0	4.2	181.0	52.5	214	48.5	80.4	210	87.0
44	2	2	8.5	189.5	52.5	214	48.5	84.6	210	88.0
47	1	2	4.2	189.5	52.5	214	48.5	93.1	210	89.0
48	3	4	12.7	197.9	52.5	214	48.5	110.0	210	90.0
Wilcoxon Rank Sum Test [Critical Value, $\alpha = 0.05$] = 2250					Sum Reference Shelter (214) = 2355.0					PASS
m = 45		n = 45		z = 1.645	Sum Both Shelters = 4095		DCGL(dpm/100 cm ²) = 44			

Appendix L
Scanned Field Data Forms

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BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell Marc Valverde

Survey Time: 15:40 to 15:53

Shelter Number: 101

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1186

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 786

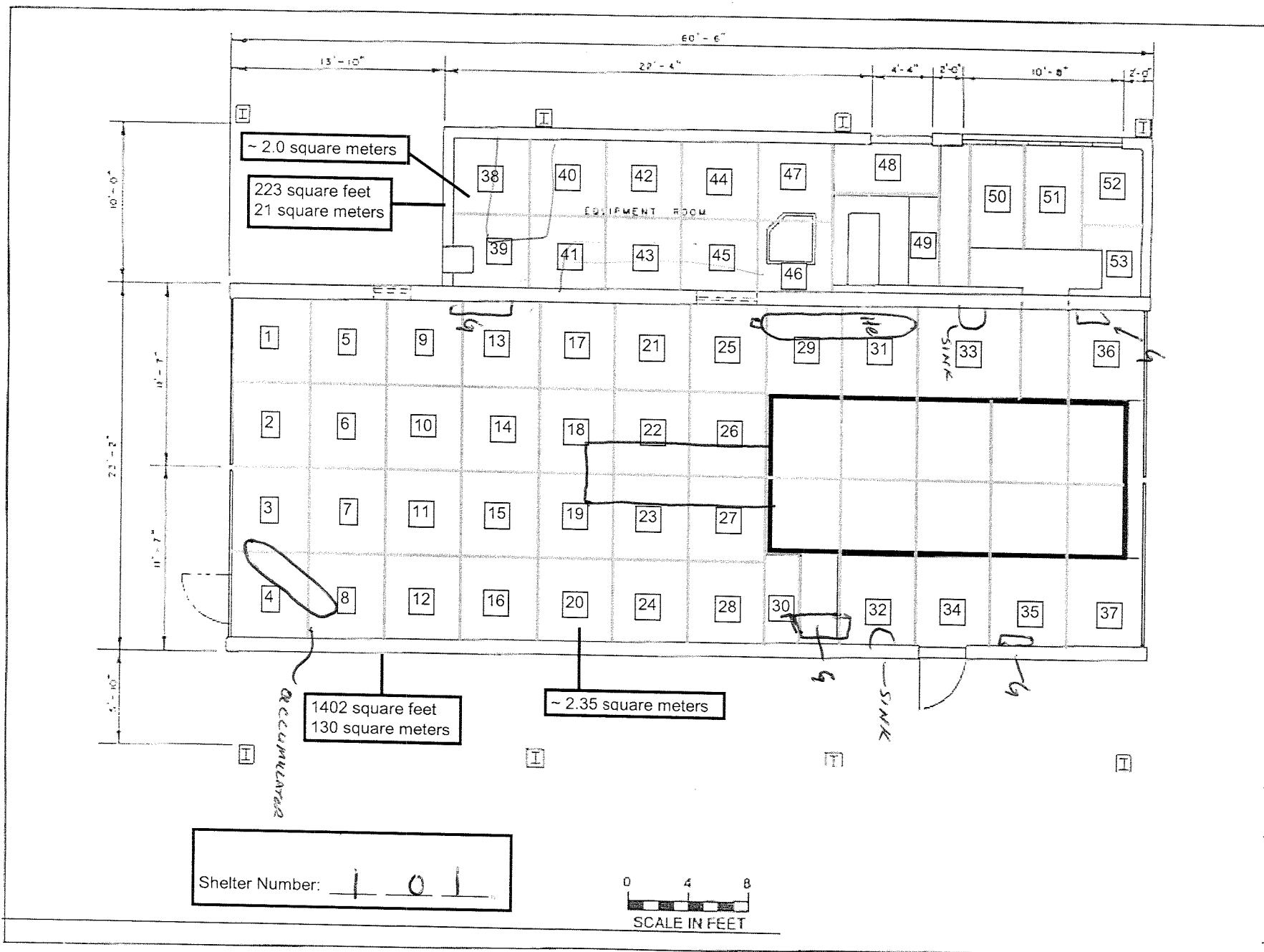
General Findings:

FENCING MATERIALS INSIDE BLAST DOOR REMOVED NO WATER IN PIT

ER wet

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Marcek, Valverde

Survey Time: 18:12 to 18:20

Shelter Number:

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____

Cal. Date

Bkgd 1132

2) Meter _____ 2) Probe _____

Cal. Date 751

Cal. Date 800-900 Ug512C

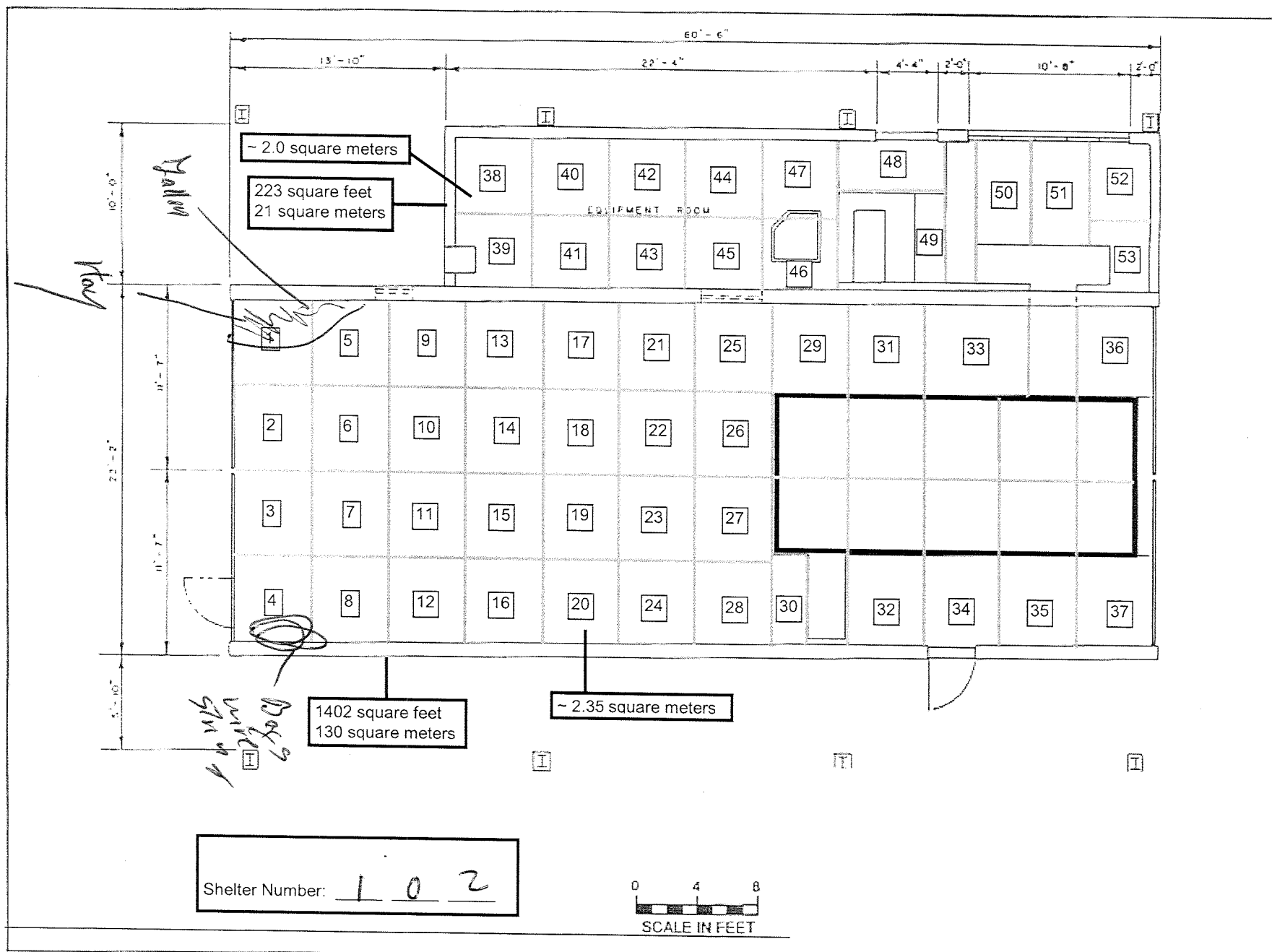
Bkgd _____ 1,000 - 1100 ~~also~~ along the
w. side.

General Findings:

General Findings:
Floor dirty, lots of hay, a ~~the~~ Gallon of Windshield washer
on floor next to ~~the~~ shelter front door on right
on left of front of shelter plastic bags and wire & string
Pitt mostly dry, Launcher intact.
Equipment Room less than 933 cpm

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Marcela, Valverde

Survey Time: 15:55 to 16:03

Shelter Number: 103

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date

Cal. Date

Bkgd 1197

2) Meter

2) Probe

Cal. Date

Cal. Date

Bkgd 751

500-1300 cpm

General Findings:

WATER AT FRONT DOOR; PIT MOSTLY DRY; EA WET

Specific Findings:

[illegible]

BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 18:05 to 18:10

Shelter Number: 104

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____

Cal. Date _____

Bkgd 1231

2) Meter _____ 2) Probe _____

Cal. Date 779

Cal. Date _____

Bkgd 779 High 800-1200

General Findings:

General Findings:

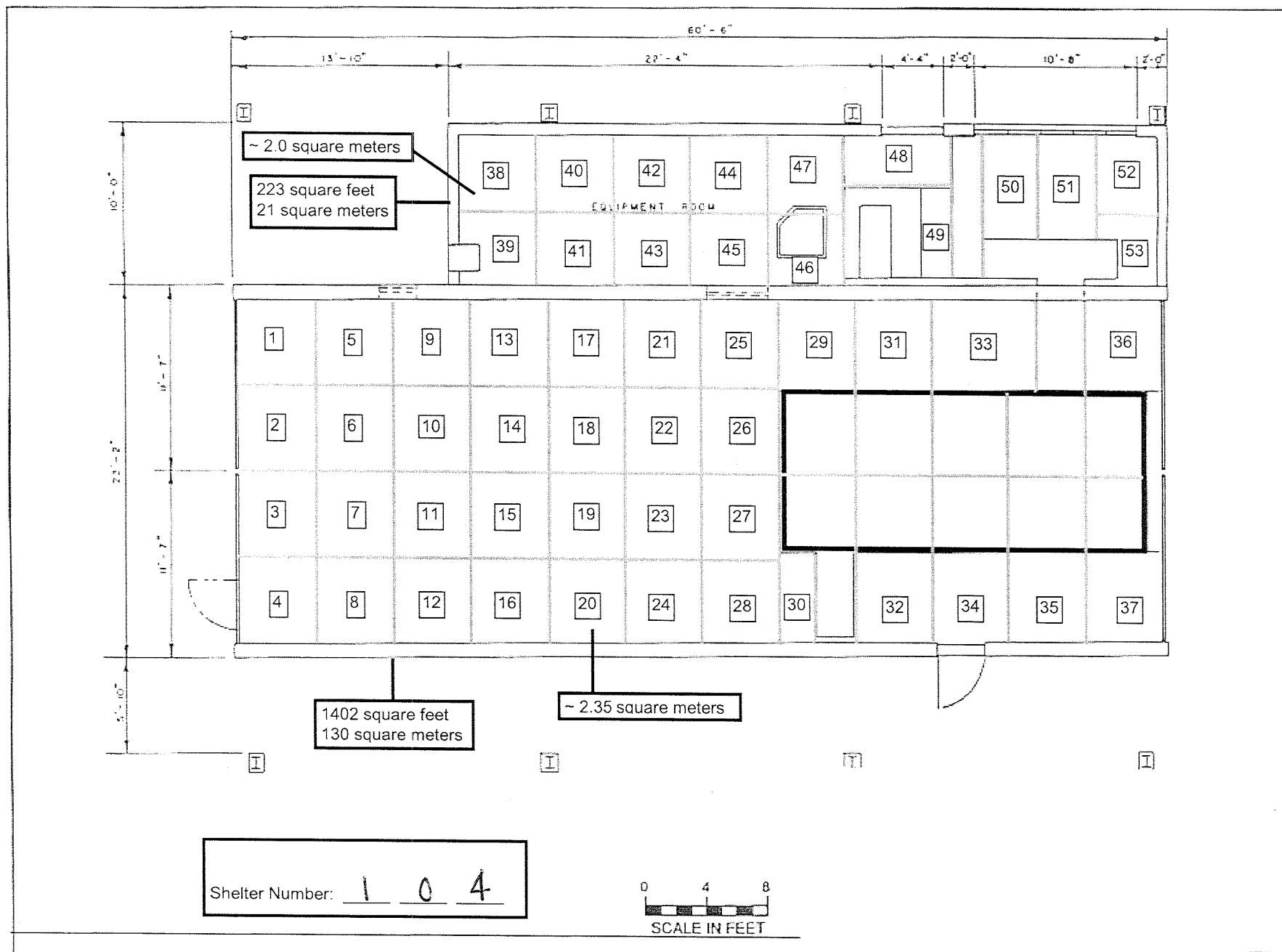
Clean; small puddle of water next to shelter front door in same location 7 Bag of "LESCO Professional starter Fertilizer"

Pit Completely Dry

Equipment Room: Floor wet, nothing found when surveyed

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 31 July Survey Personnel: Hubbell

Survey Time: 09:30 to 10:02 Shelter Number: 105

Survey Instruments: 1) Meter Iodium 2221
S/N 169248 1) Probe S/N 60003-2900

Cal. Date 23 Jan 07 Cal. Date _____

Bkgd 1934

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

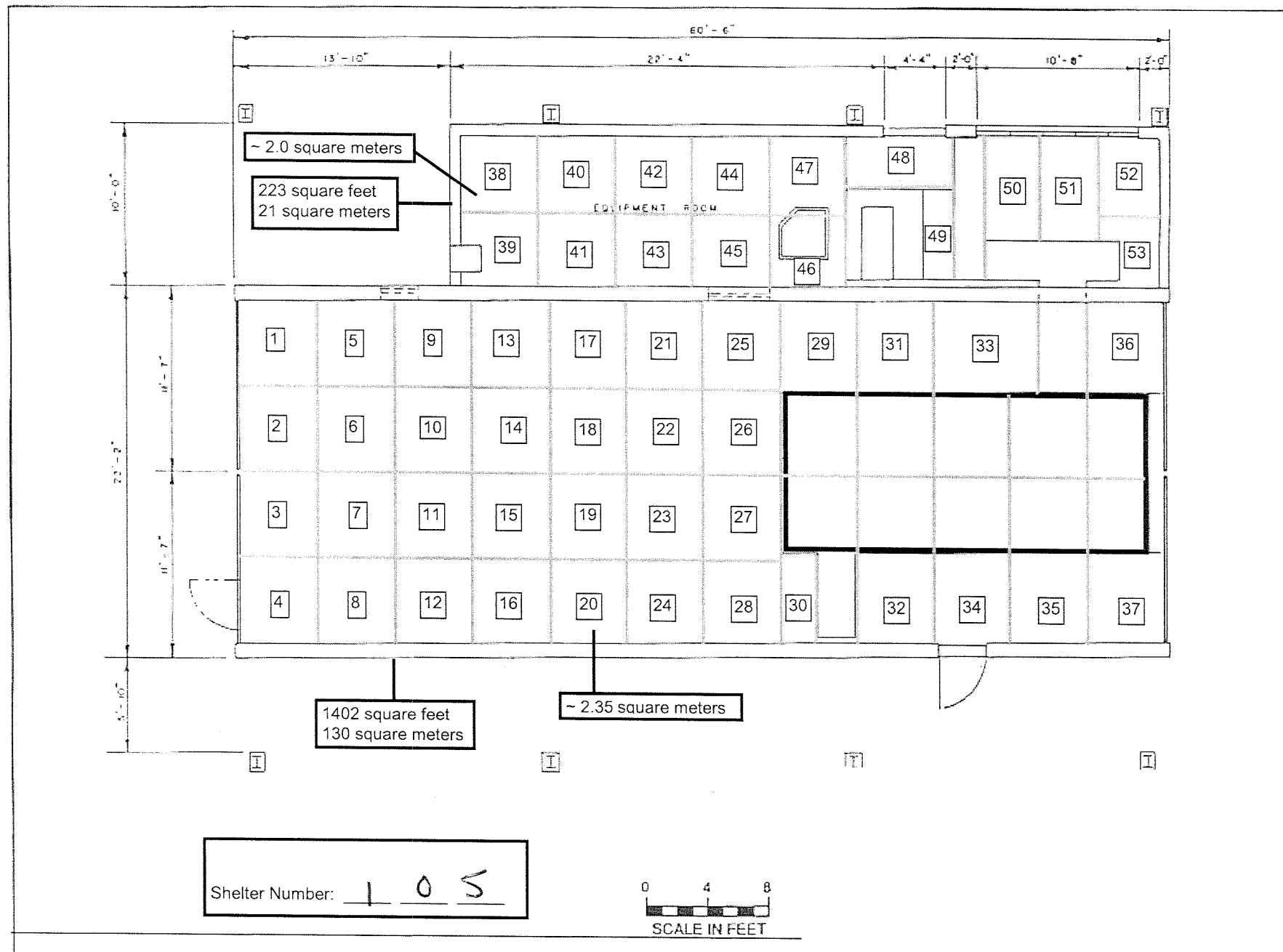
Bkgd

General Findings:

Pit dry no large debris nothing alarming just a general elevated $\sim 2k-3k$ (radon?) the shelter has been completely closed up \therefore doors shut.

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Horch, Valverde

Survey Time: 1745 to 18:00

Shelter Number: 106

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
1908	1908
1909	1909
1910	1910
1911	1911
1912	1912
1913	1913
1914	1914
1915	1915
1916	1916
1917	1917
1918	1918
1919	1919
1920	1920
1921	1921
1922	1922
1923	1923
1924	1924
1925	1925
1926	1926
1927	1927
1928	1928
1929	1929
1930	1930
1931	1931
1932	1932
1933	1933
1934	1934
1935	1935
1936	1936
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2021	2021
2022	2022
2023	2023
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2032	2032
2033	2033
2034	2034
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2036	2036
2037	2037
2038	2038
2039	2039
2040	2040
2041	2041
2042	2042
2043	2043
2044	2044
2045	2045
2046	2046
2047	2047
2048	2048
2049	2049

Bkgd 1238 High

2) Meter

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
1908	1908
1909	1909
1910	1910
1911	1911
1912	1912
1913	1913
1914	1914
1915	1915
1916	1916
1917	1917
1918	1918
1919	1919
1920	1920
1921	1921
1922	1922
1923	1923
1924	1924
1925	1925
1926	1926
1927	1927
1928	1928
1929	1929
1930	1930
1931	1931
1932	1932
1933	1933
1934	1934
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2018	2018
2019	2019
2020	2020
2021	2021
2022	2022
2023	2023
2024	2024
2025	2025
2026	2026
2027	2027
2028	2028
2029	2029
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2031	2031
2032	2032
2033	2033
2034	2034
2035	2035
2036	2036
2037	2037
2038	2038
2039	2039
2040	2040
2041	2041
2042	2042
2043	2043
2044	2044
2045	2045
2046	2046
2047	2047
2048	2048
2049	2049

Bkgd 769 High 1210

General Findings:

General Findings:

Large amounts of ^{Dried} Bird Dropping on Floor
Lounge is partially disassembled.

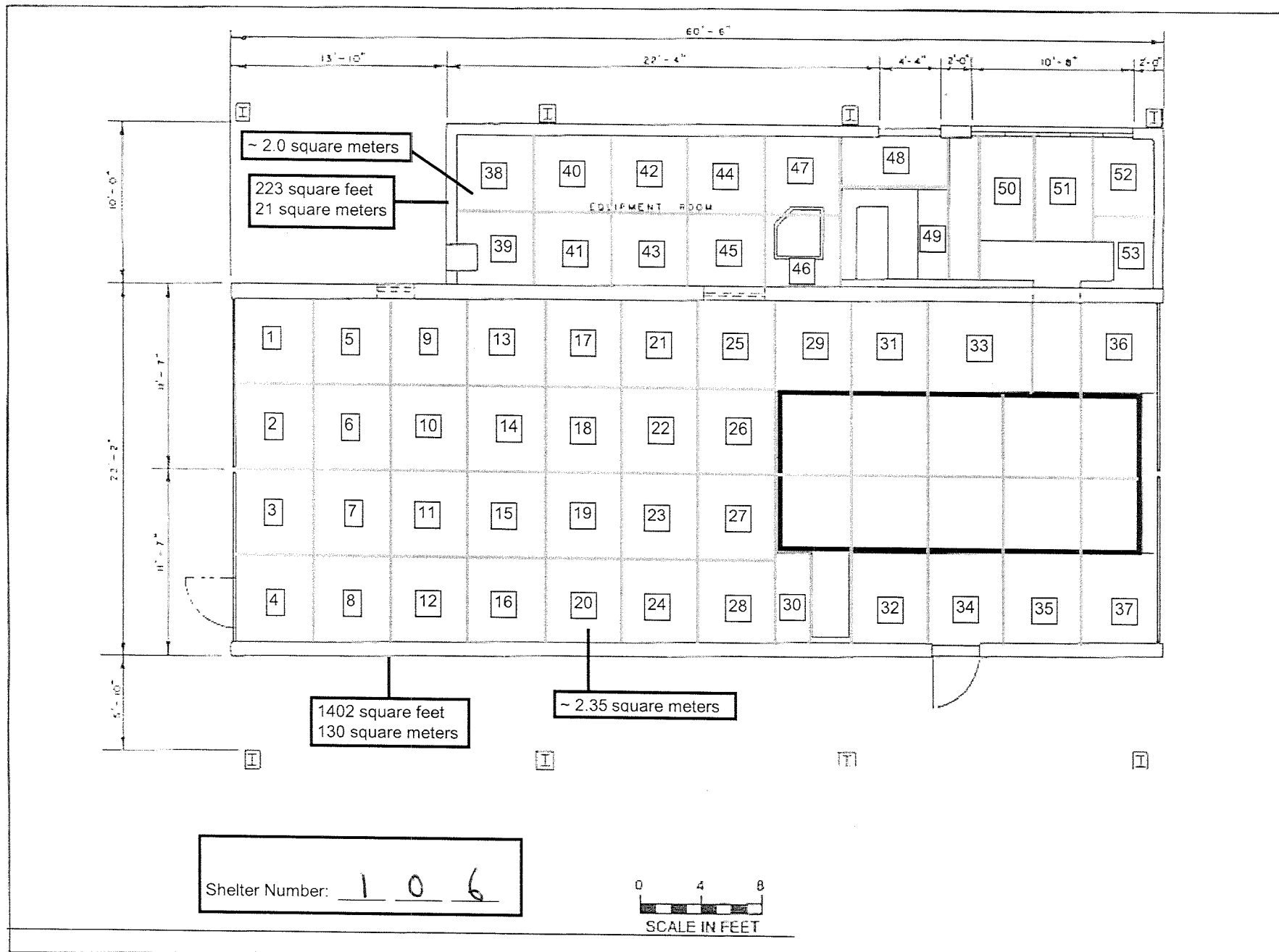
Floor 13 Dry

suggest to take a soil/solid sample from Postbird Drapery

Helium tank still is Building

Specific Findings:

[illegible]



107
105

Survey Time: 08:35 to 09:20 Shelter Number: 107

Cal. Date 23 Jan 07

Bkgd 1934 cal check: 4399

2) Meter _____ 2) Probe _____

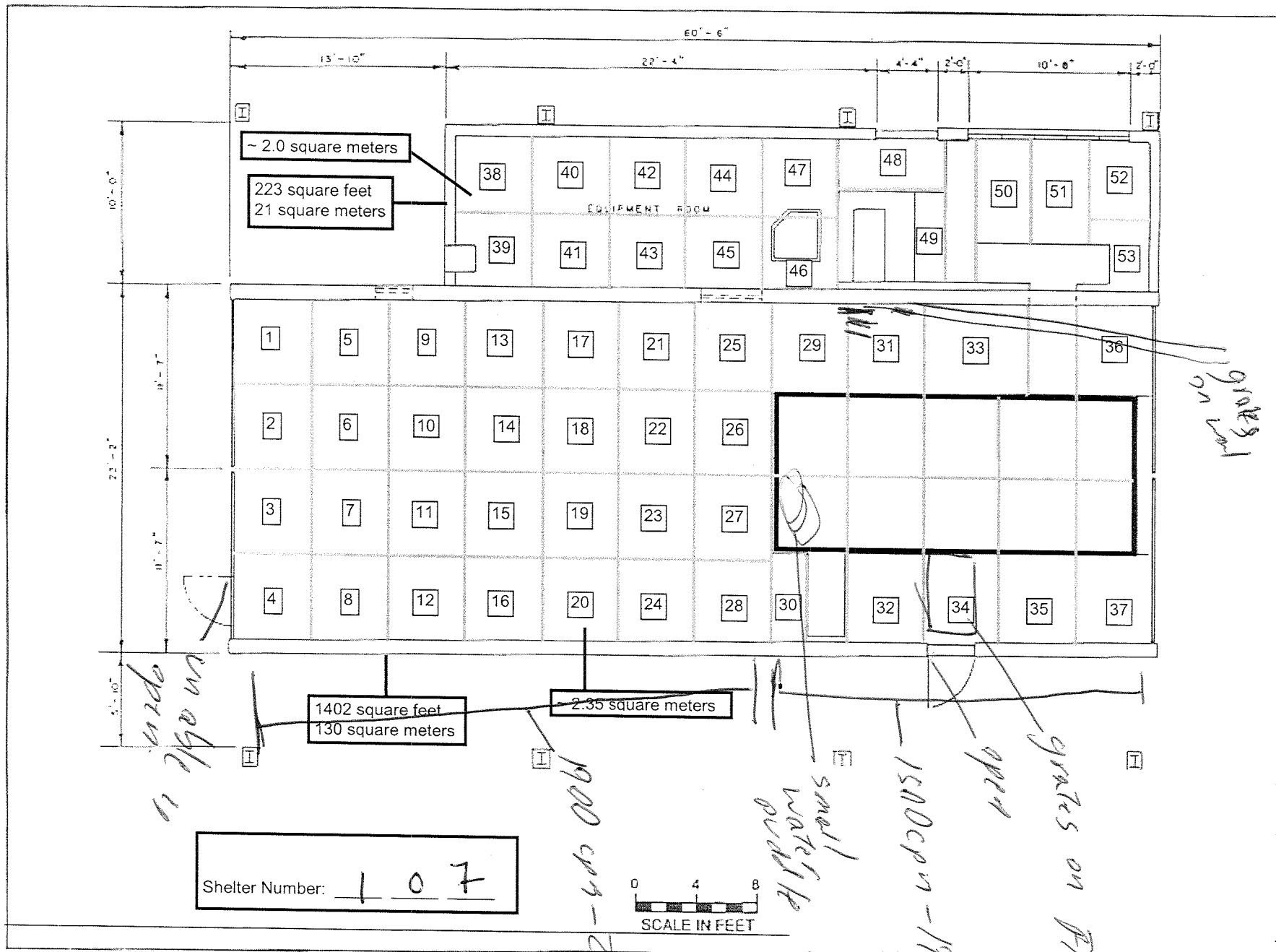
Cal. Date _____ Cal. Date _____

Bkgd

Catchcheck done with smoke detector source 2" from Detector
Back ground in shelter. 1775 cpm

Pit was Dry, Floor Dusty But no large Debris

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Mubbell, Marceh, Verbeede

Survey Time: ¹⁵~~16~~ : 27 to 12 : 43
17

Shelter Number: 108

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1143

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

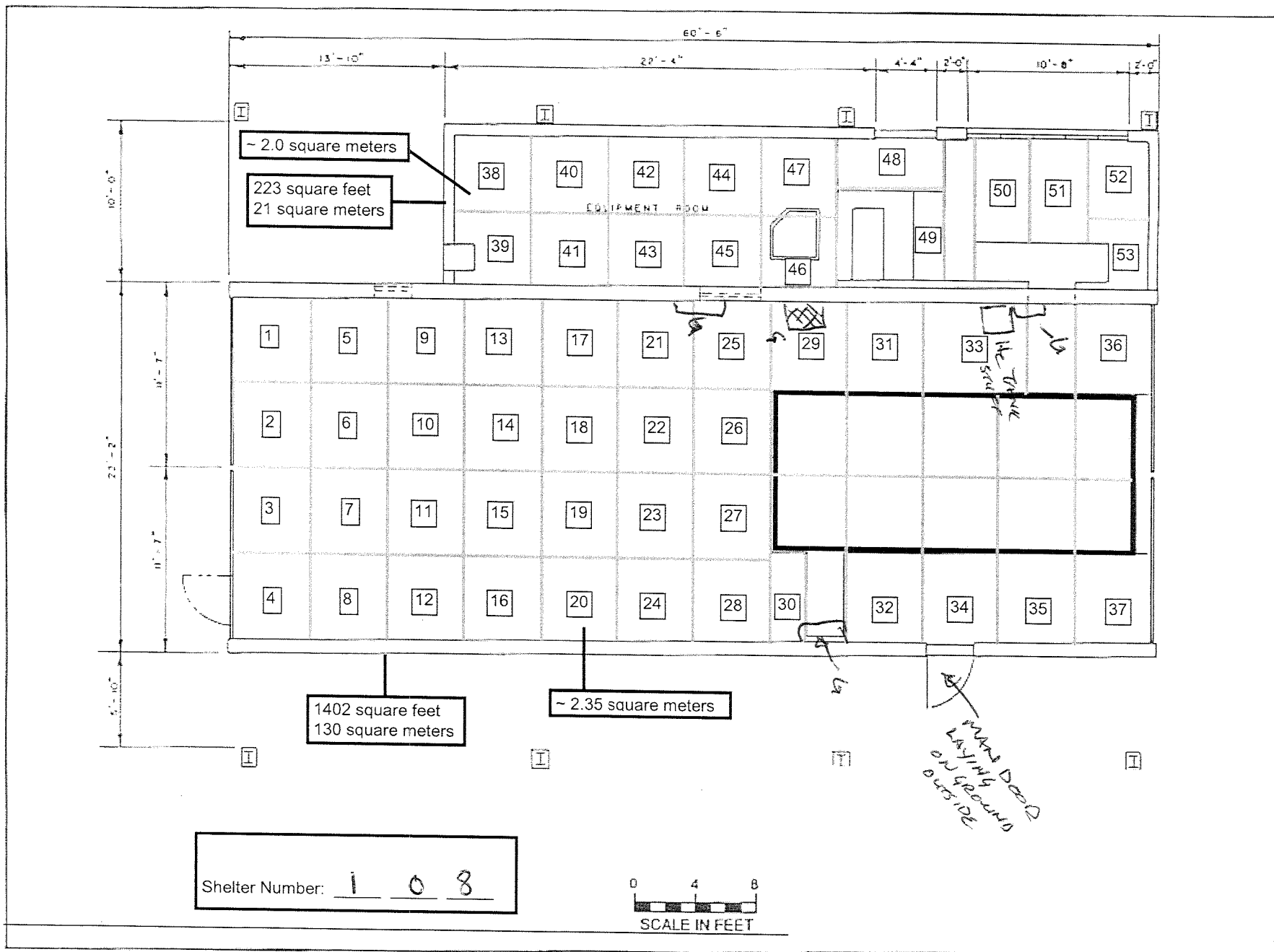
Bkgd 652

General Findings:

MOSS ON CONCRETE INSIDE MAIN DOOR; PIT MOSTLY DRY w/ DEBRIS (^{NATURAL} ~~NATURAL~~)
SOME WATER @ FRONT DOOR

Specific Findings:

[illegible]



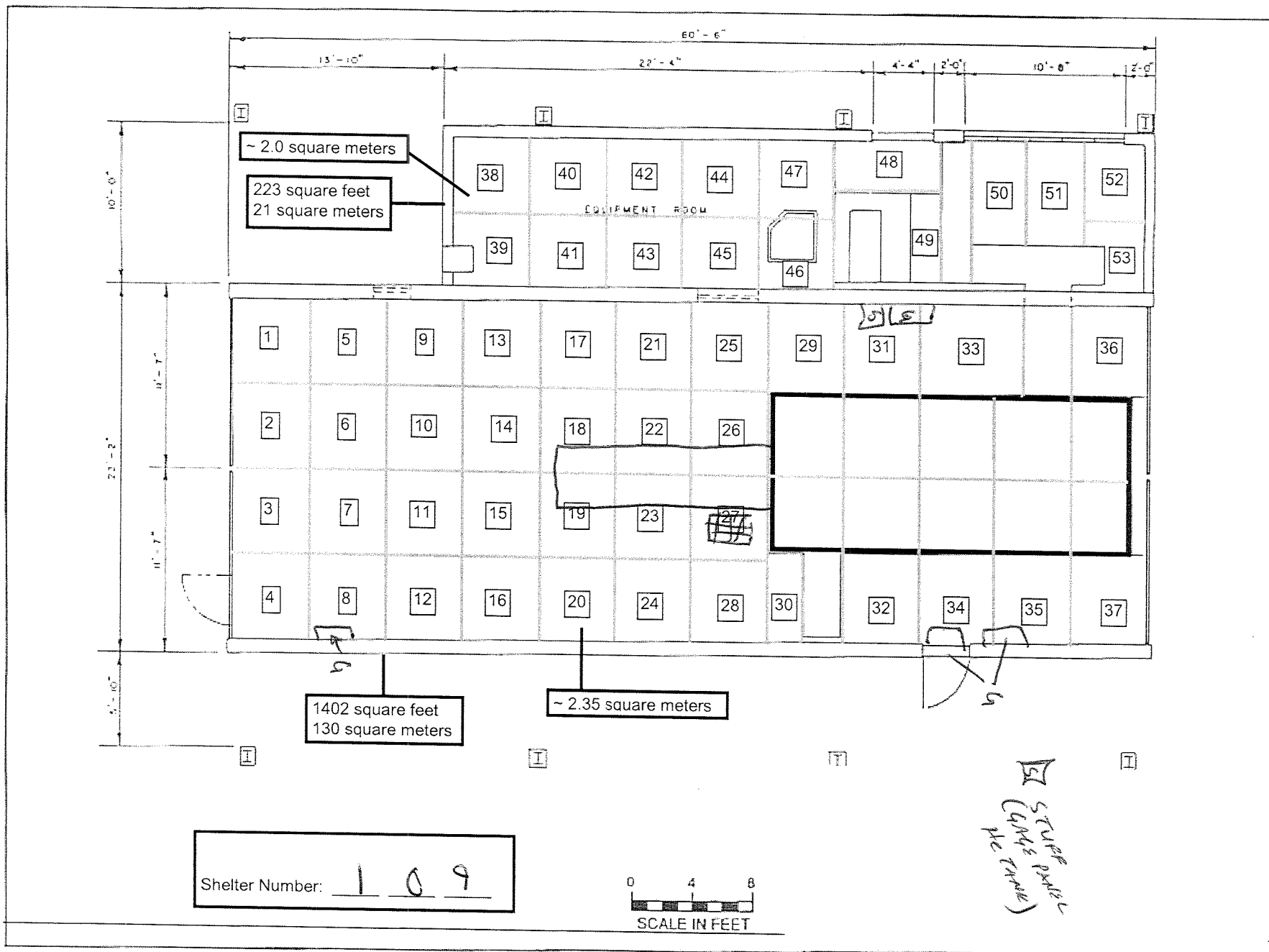
Survey Date: 4 Jun Survey Personnel: Hubbell Harcek Valverde

Shelter Number: 109

Bkgd 757

TAPE ON DOOR ; WATER IN PIT ; SOME WATER @ FRONT DOOR

[illegible]



Survey Date: 4 Jun Survey Personnel: Hubbell Harcek, Valverde

Survey Time: 17
~~16~~ : 10 to 17
~~16~~ : 24

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date

Cal. Date

Bkgd 1276

2) Meter _____ 2) Probe _____

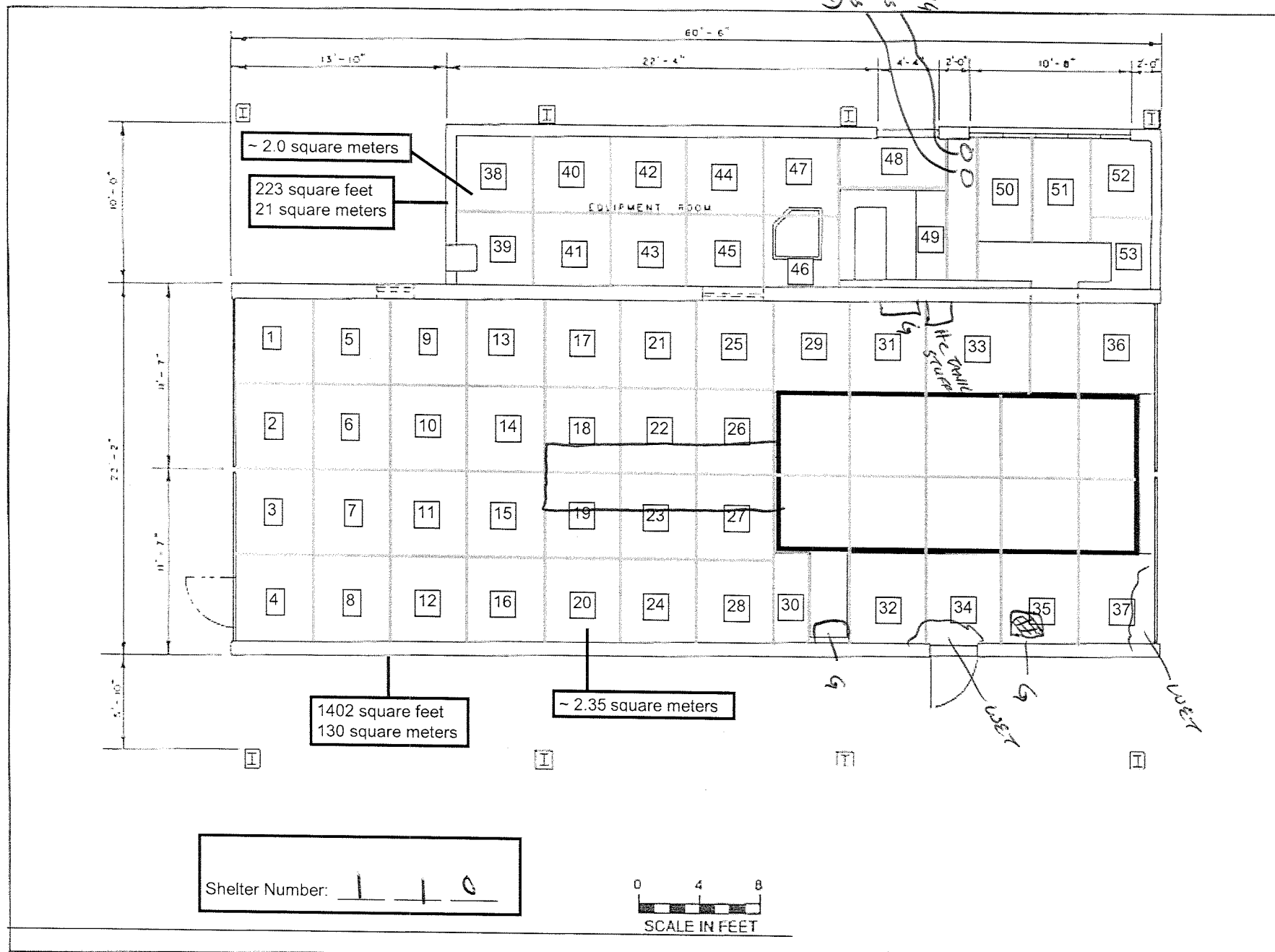
Cal. Date _____

Cal. Date _____

Bkgd 867

dry (mostly)

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Harceck, Valverde

Survey Time: 16 : 20 to 16 : 29

Shelter Number: / /

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date

Cal. Date

Bkgd 1170

2) Meter 2) Probe

Cal. Date

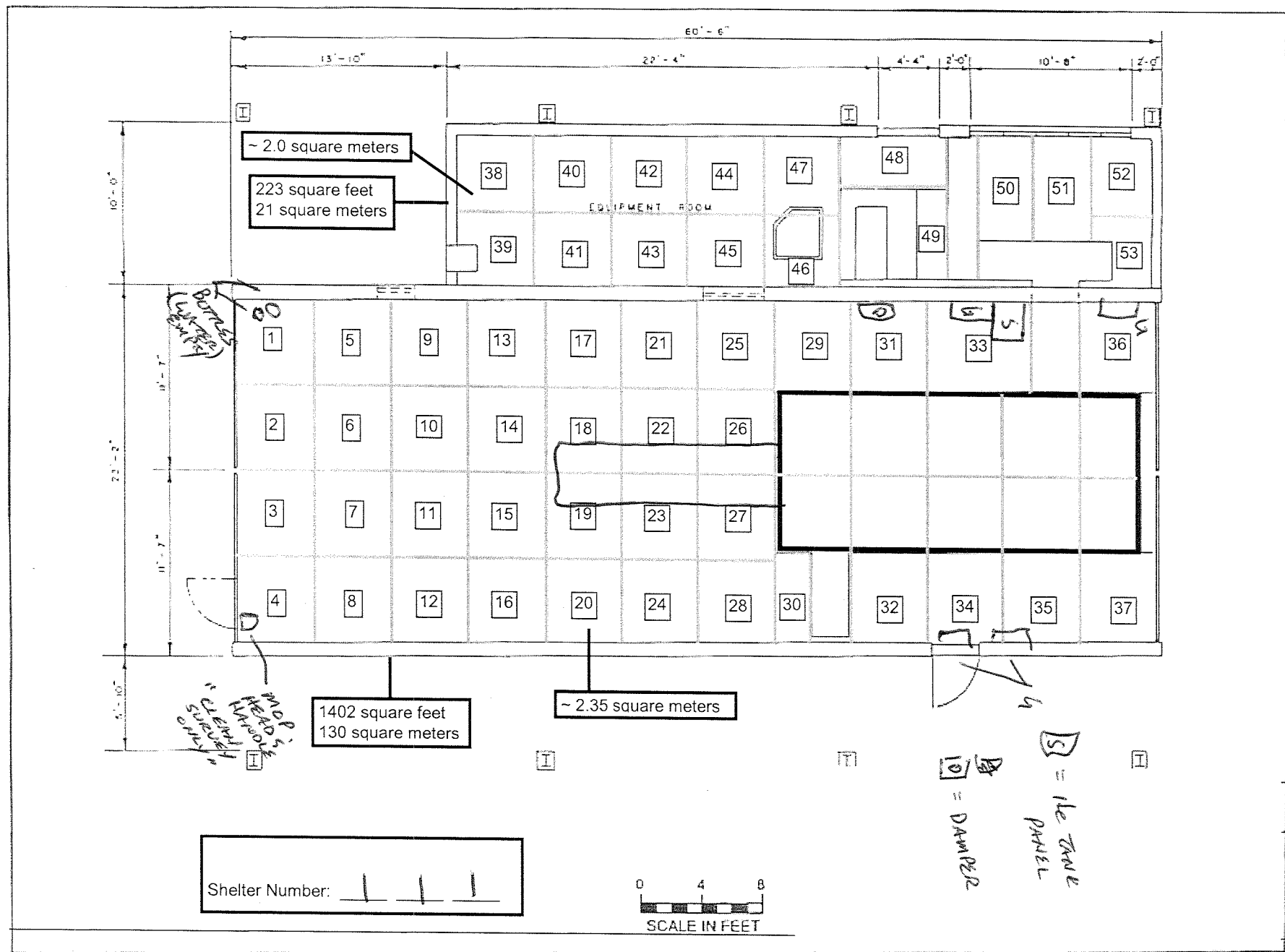
Cal. Date

Bkgd 72/

General Findings:

WATER @ FRONT DOOR; WATER IN PIT; ER WET; REAR MAN DOOR OPEN

Specific Findings:



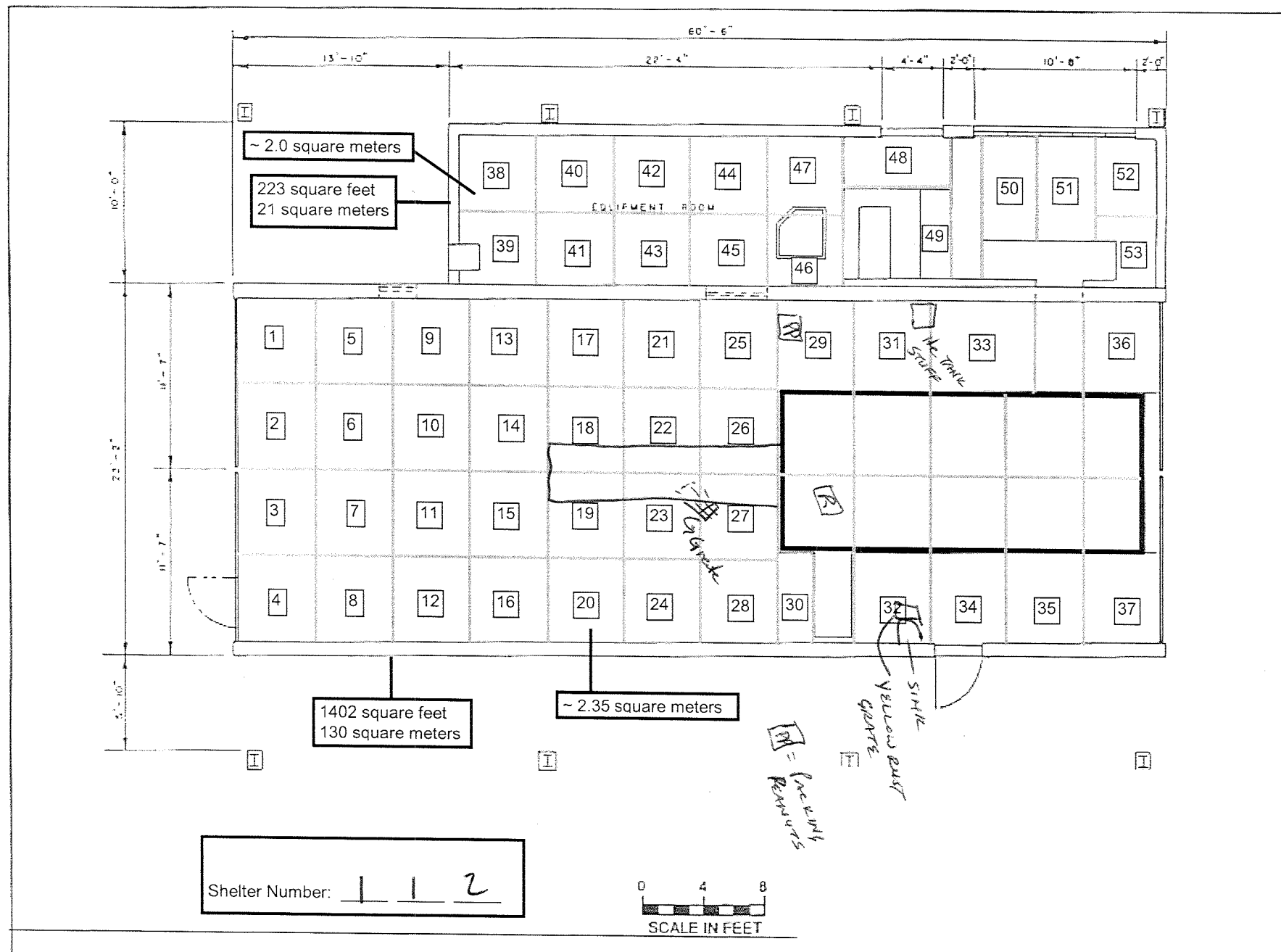
Survey Date: 4 Jun Survey Personnel: Hubbell Harcek Valverde

Shelter Number: 112

Bkgd 1368

Bkgd 834

LITTLE WATER @ FRONT DOOR ; OILY RAGS IN PIT (R)



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 16 : 30 to 16 : 44

Shelter Number: 113

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____

Cal. Date _____

Bkgd 1223

2) Meter _____ 2) Probe _____

Cal. Date _____

Cal. Date _____

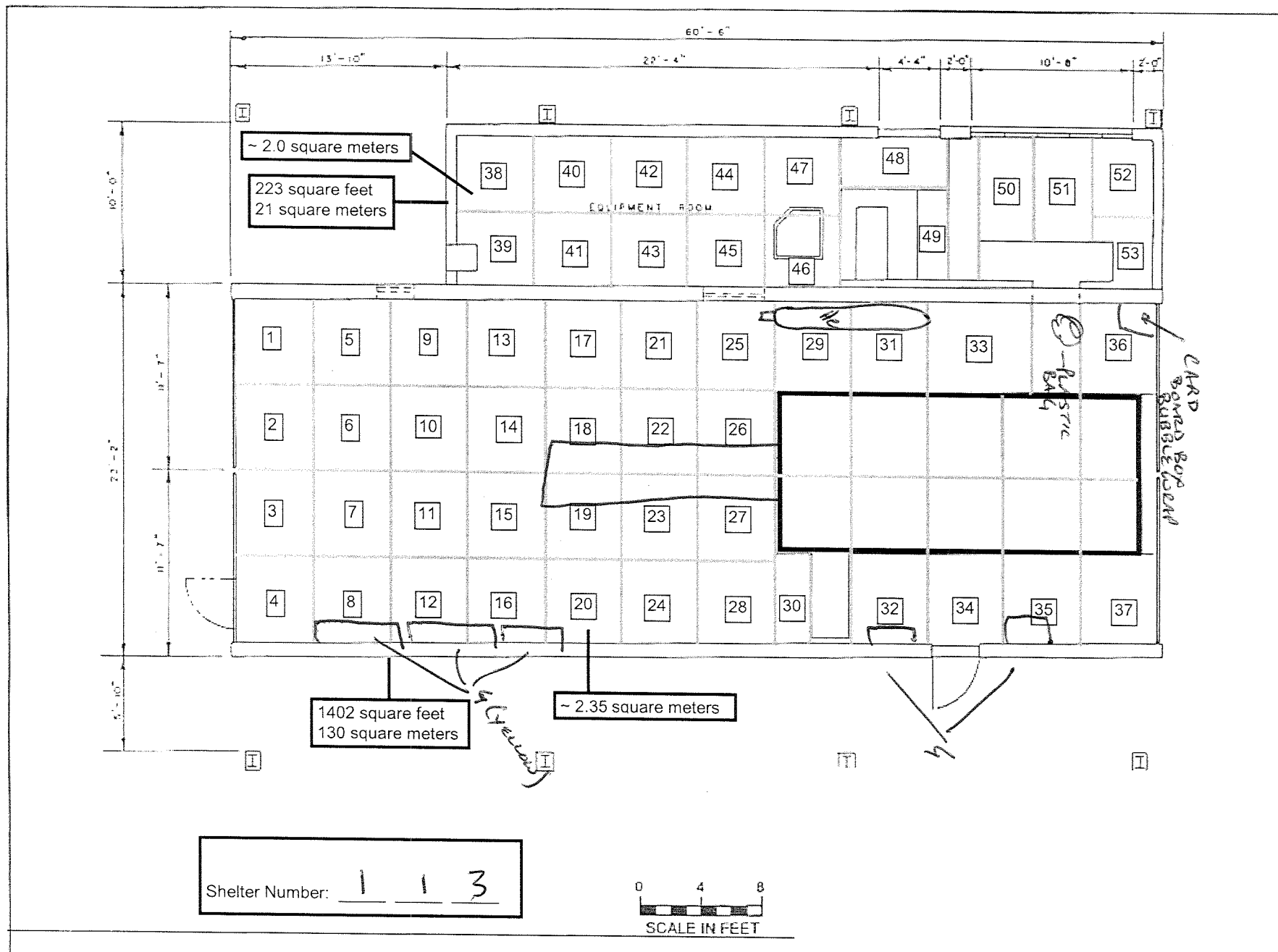
Bkgd 724 299-1100

General Findings:

ROOF LEAKS @ SEAM ENTIRE LENGTH; REAR MAN DOOR OPEN; PIT w/
WATER; 3 PILES OF GRATES (RUSTED YELLOW PAINT)

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell ^{Harcek}~~Harck~~, Valverde

Survey Time: 16 : 45 to 16 : 59

Shelter Number: 114

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____

Cal. Date _____

Bkgd 1210

2) Meter _____ 2) Probe _____

Cal. Date _____

Cal. Date _____

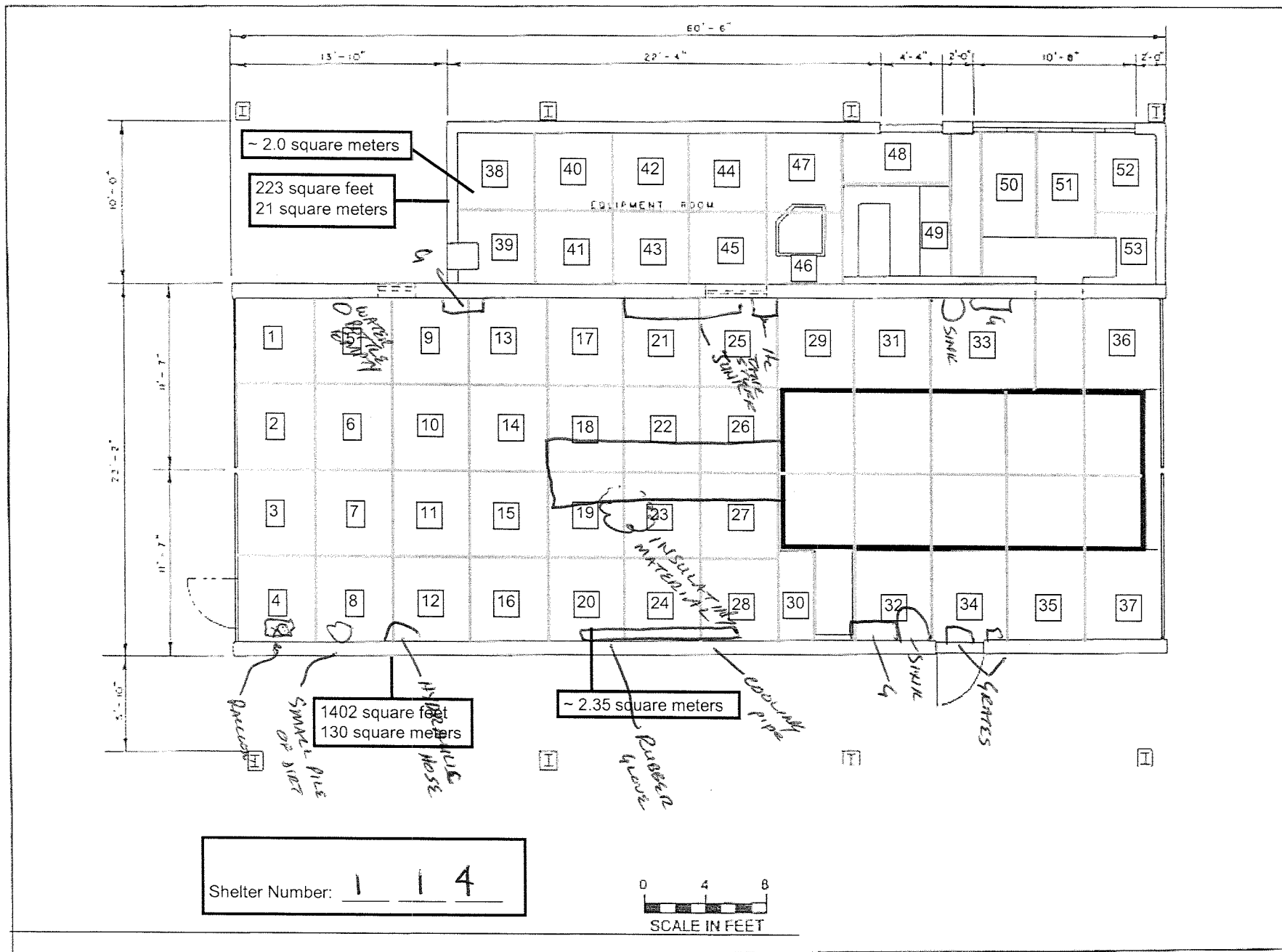
Bkgd 719

General Findings:

DEAD RACCOON AT DOOR : WATER DOOR SLIGHT ROOF LEAK

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun 07 Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 10:20 to 10:40

Shelter Number: 115

Survey Instruments: 1) Meter 97838 1) Probe 60004-0235

~~#~~ Cal. Date _____ Cal. Date _____

Bkgd 1216 cpm

2) Meter 169248 2) Probe 60005-2900

#2 Cal. Date _____ Cal. Date _____

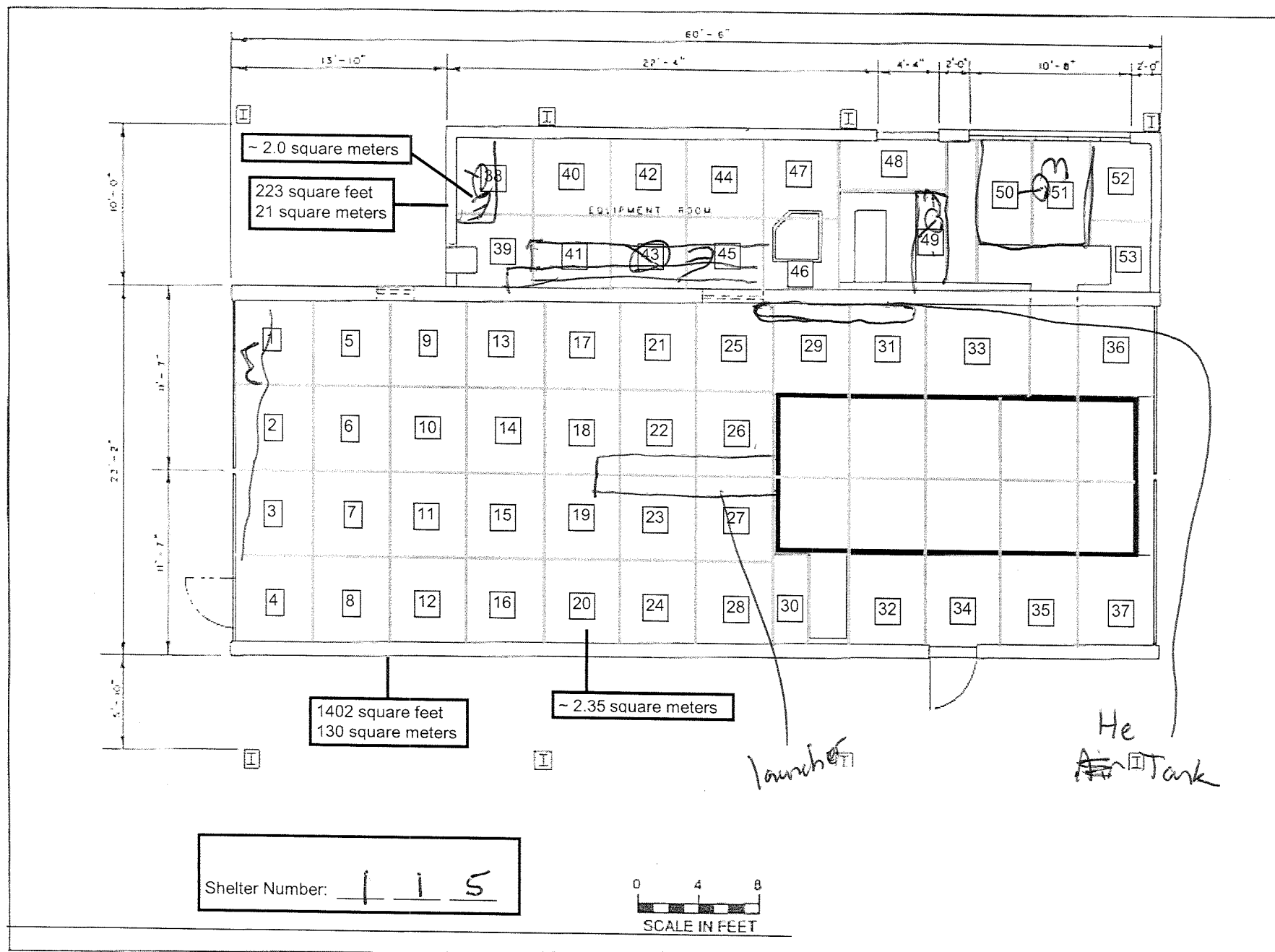
Bkgd 1151

General Findings:

Nothing Twice Background

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 15 : ¹⁹~~39~~ to 15 : 27

Shelter Number: 116

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1239

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

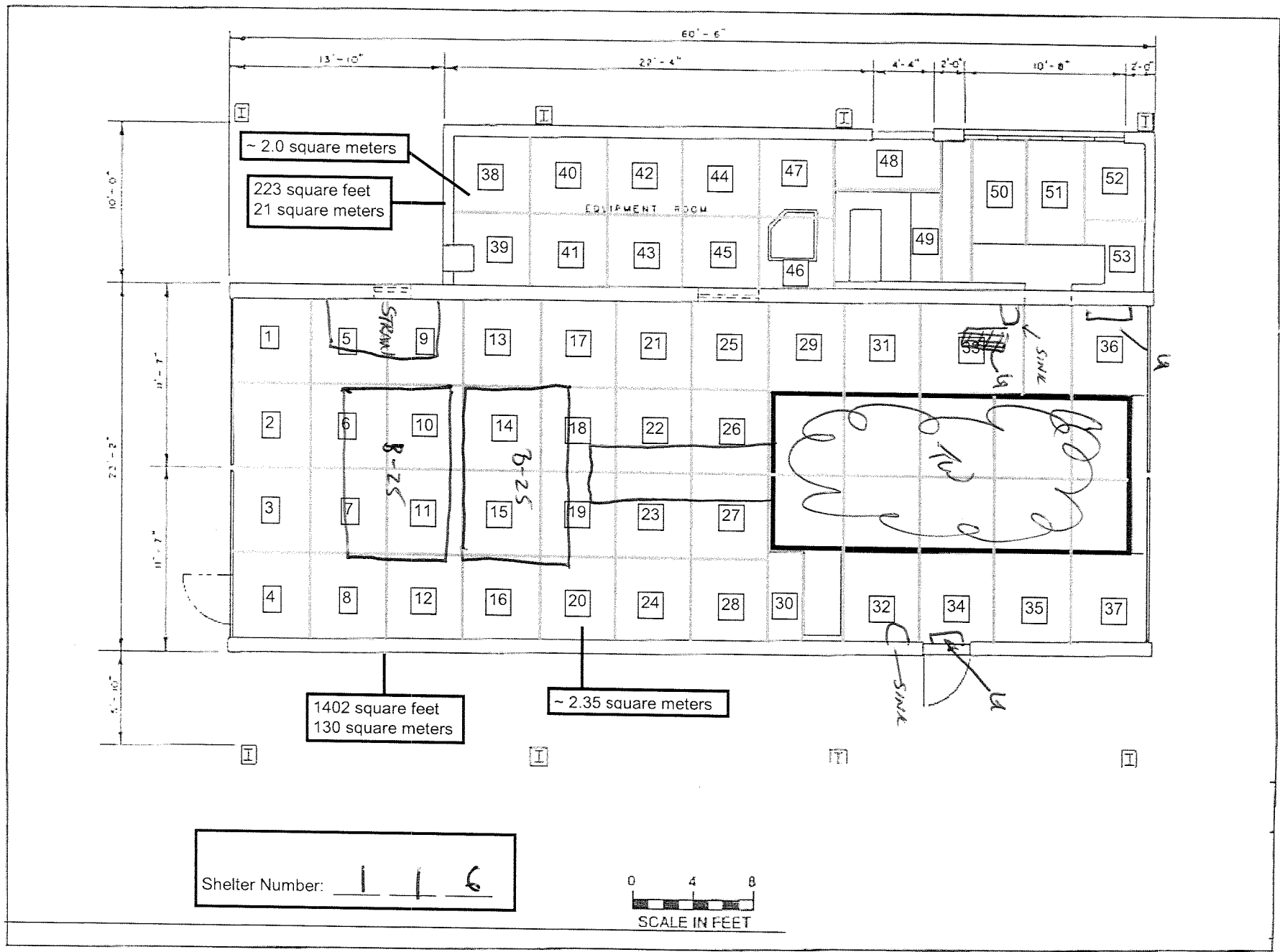
Bkgd 743

General Findings:

FRONT DOORS OPEN, (2) TWO B-25 BLUE BOXES
STRAW SPREAD (BY WIND?) ~~THRU~~^{THRU} THRU-OUT; PIT HAS WATER

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun 07 Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 1045: to 11:02

Shelter Number: 117

Survey Instruments: 1) Meter #1 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
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1914	1914
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2045	2045
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2047	2047
2048	2048
2049	2049

Bkgd 1272

2) Meter #2 2) Probe _____

Cal. Date _____ Cal. Date _____

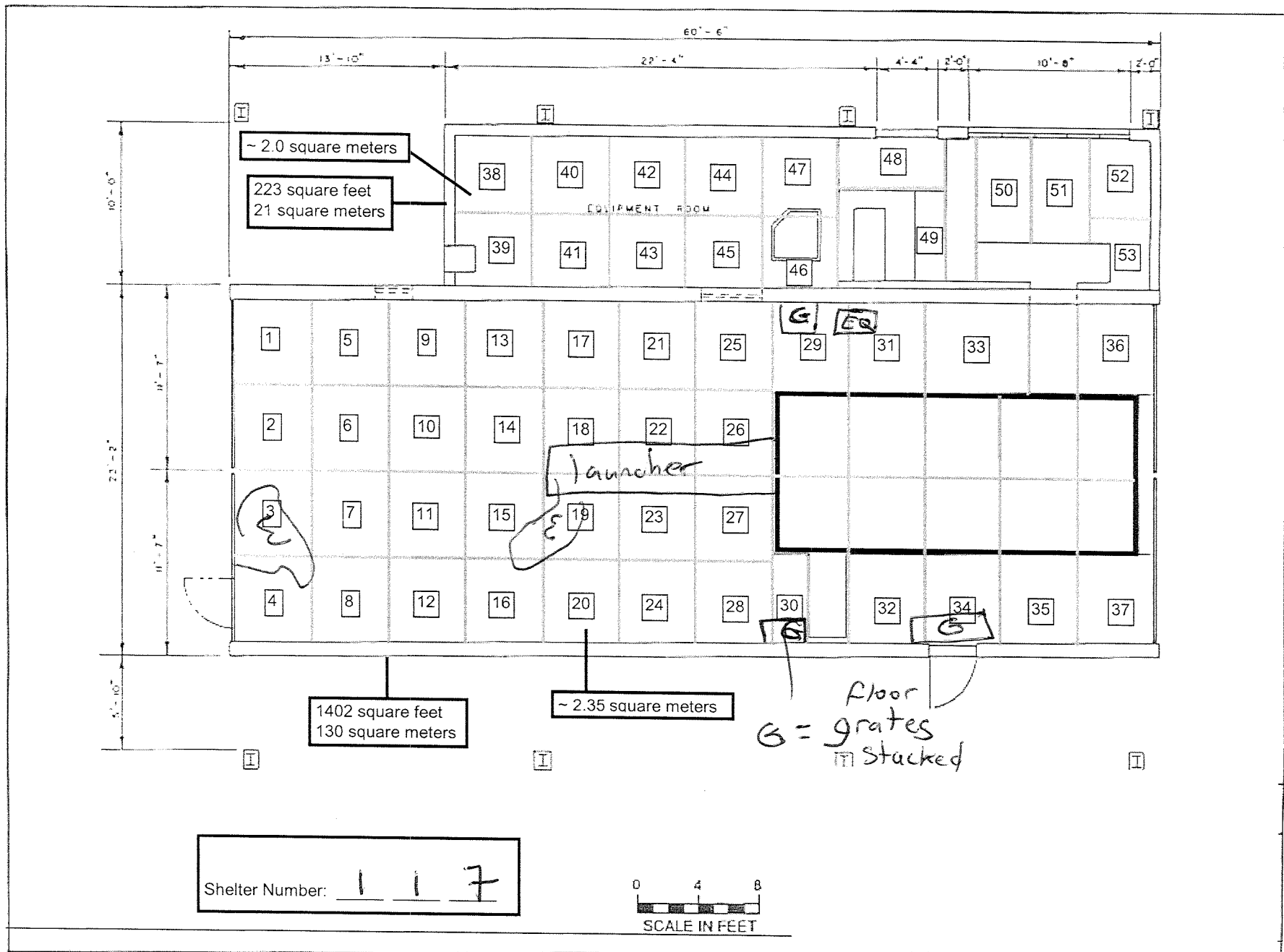
Bkgd 854

General Findings:

Equip. room wet, Nothing twice Background

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jan Survey Personnel: _____

Survey Time: _____ : _____ to _____ :

Shelter Number: 118

LOCKED
SHOT

Survey Instruments: 1) Meter _____ 1) Probe _____

8-256

Cal. Date _____

Cal. Date _____

VISIBLE
INSIDE

Bkgd

2) Meter _____ 2) Probe _____

Cal. Date _____

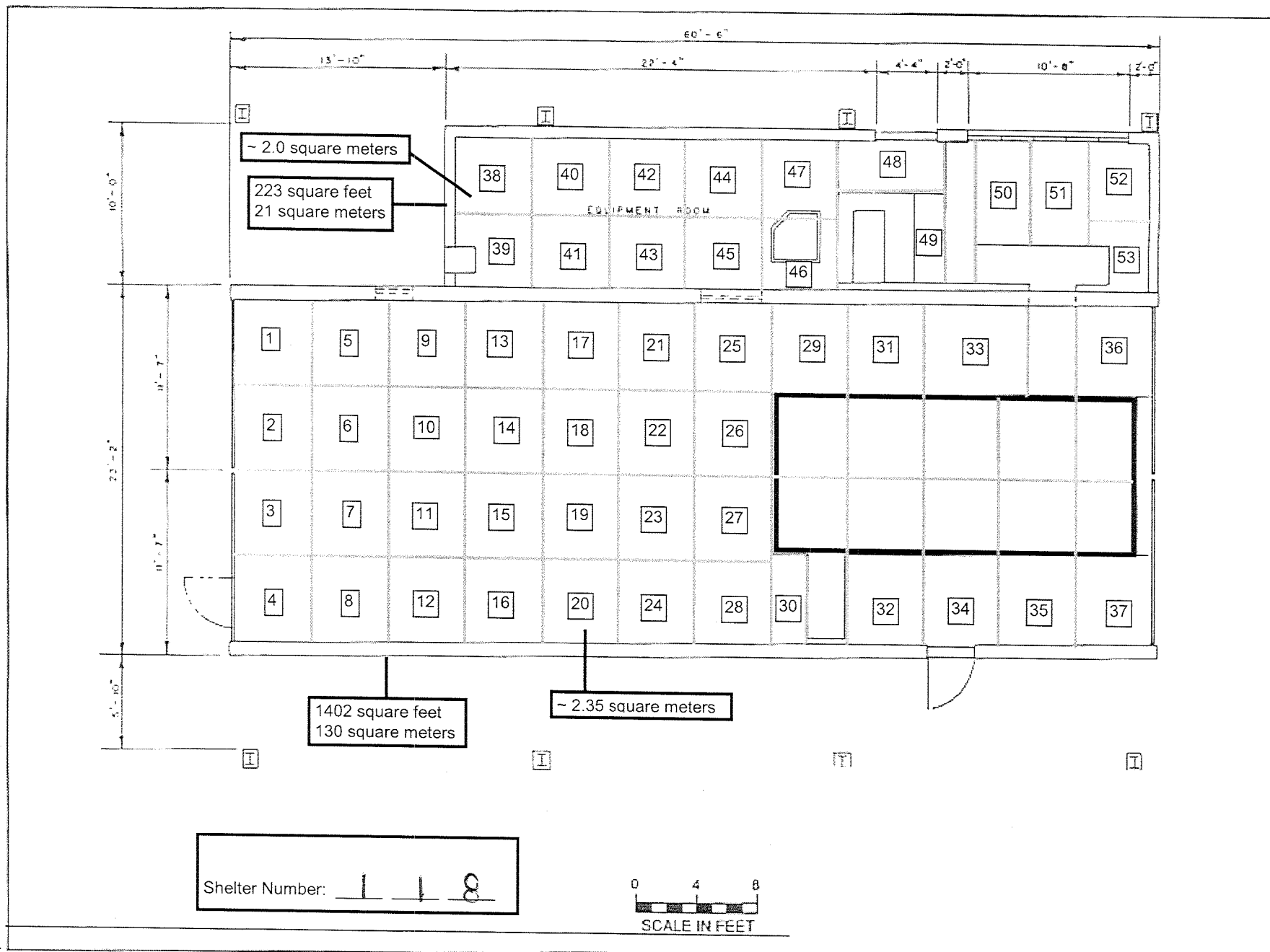
Cal. Date _____

Bkgd

General Findings:

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell Harcek, Valverde

Survey Time: 11:04 to 11:20

Shelter Number: 119

Survey Instruments: 1) Meter 4 1) Probe

Cal. Date _____ Cal. Date _____

Bkgd 1236

2) Meter #2 2) Probe _____

Cal. Date _____ Cal. Date _____

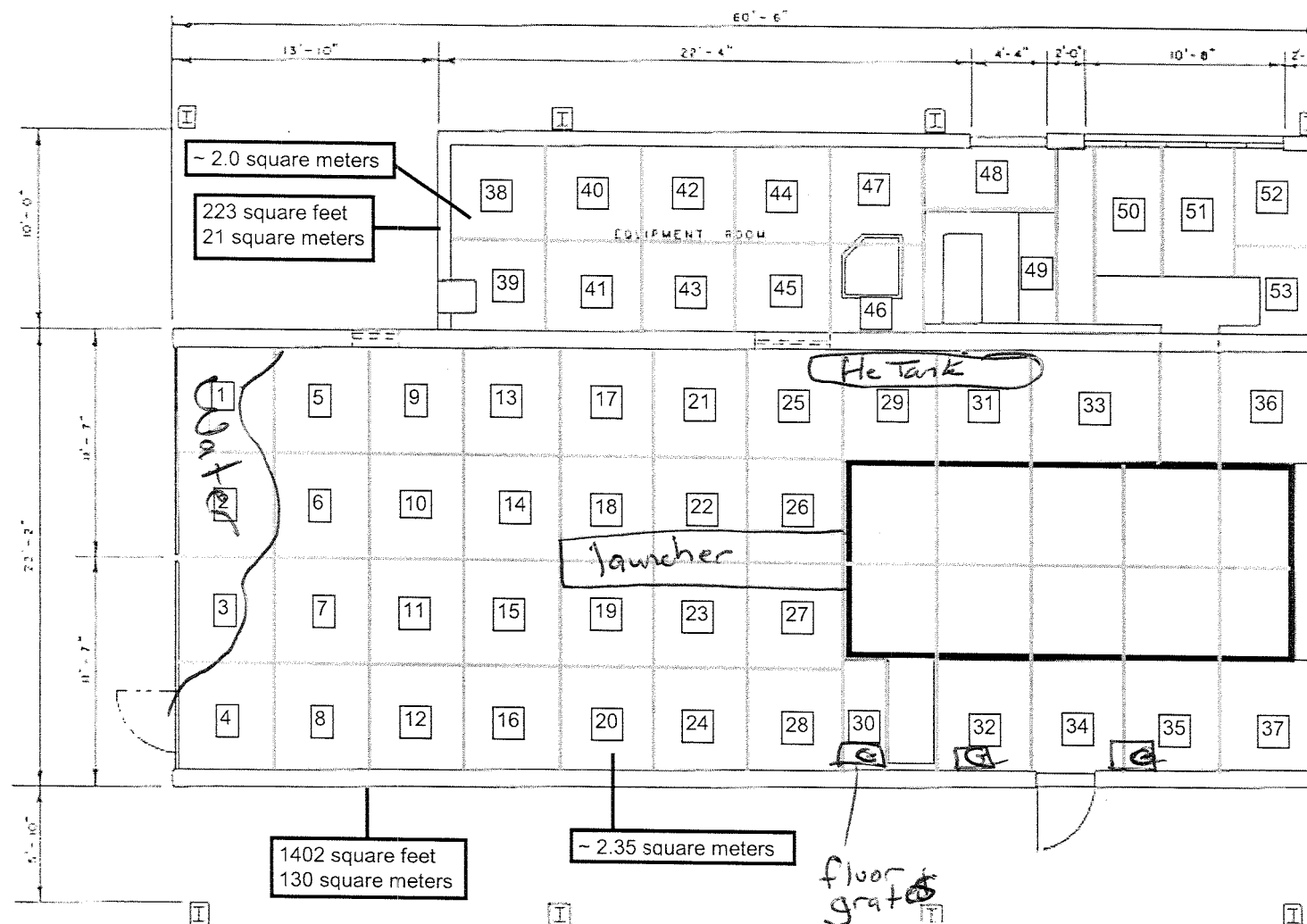
Bkgd 715

General Findings:

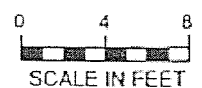
Findings:
Nothing Twice B Lgd

Specific Findings:

[illegible]



Shelter Number: 1 1 9



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell Horcek Valverde

Survey Time: 14:54 to 15:05

Shelter Number: 120

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1220

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

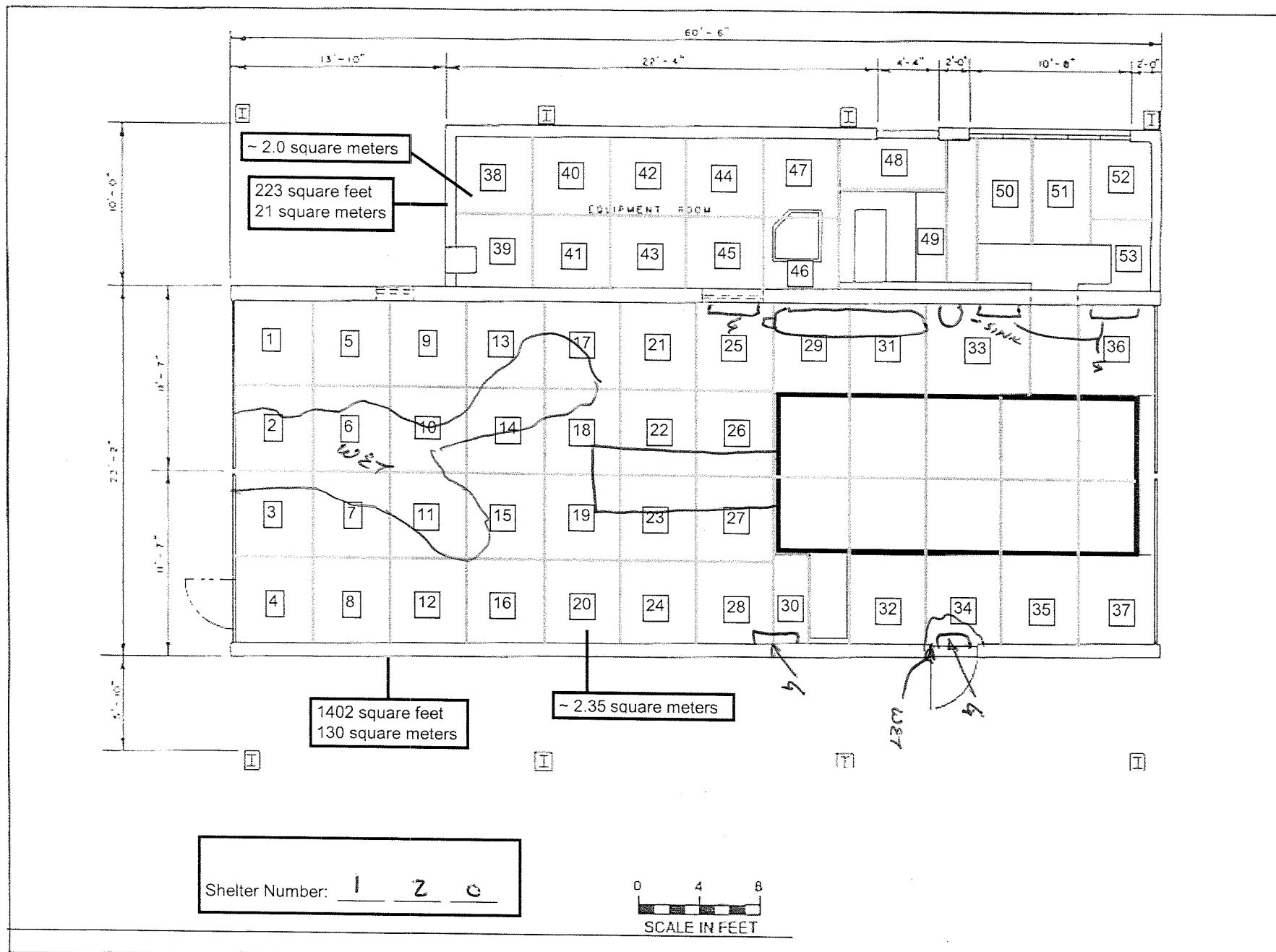
Bkgd 757

General Findings:

WATER ON FLOOR FRONT DOOR; LITTLE WATER IN PIT

Specific Findings:

[illegible]



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 4 Jun Survey Personnel: Hubbell Marco Valverde

Survey Time: 11:22 to 11:43

Shelter Number: 121

Survey Instruments: 1) Meter #1 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1311

2) Meter #2 2) Probe _____

Cal. Date 1/1 Cal. Date _____

Bkgd 825

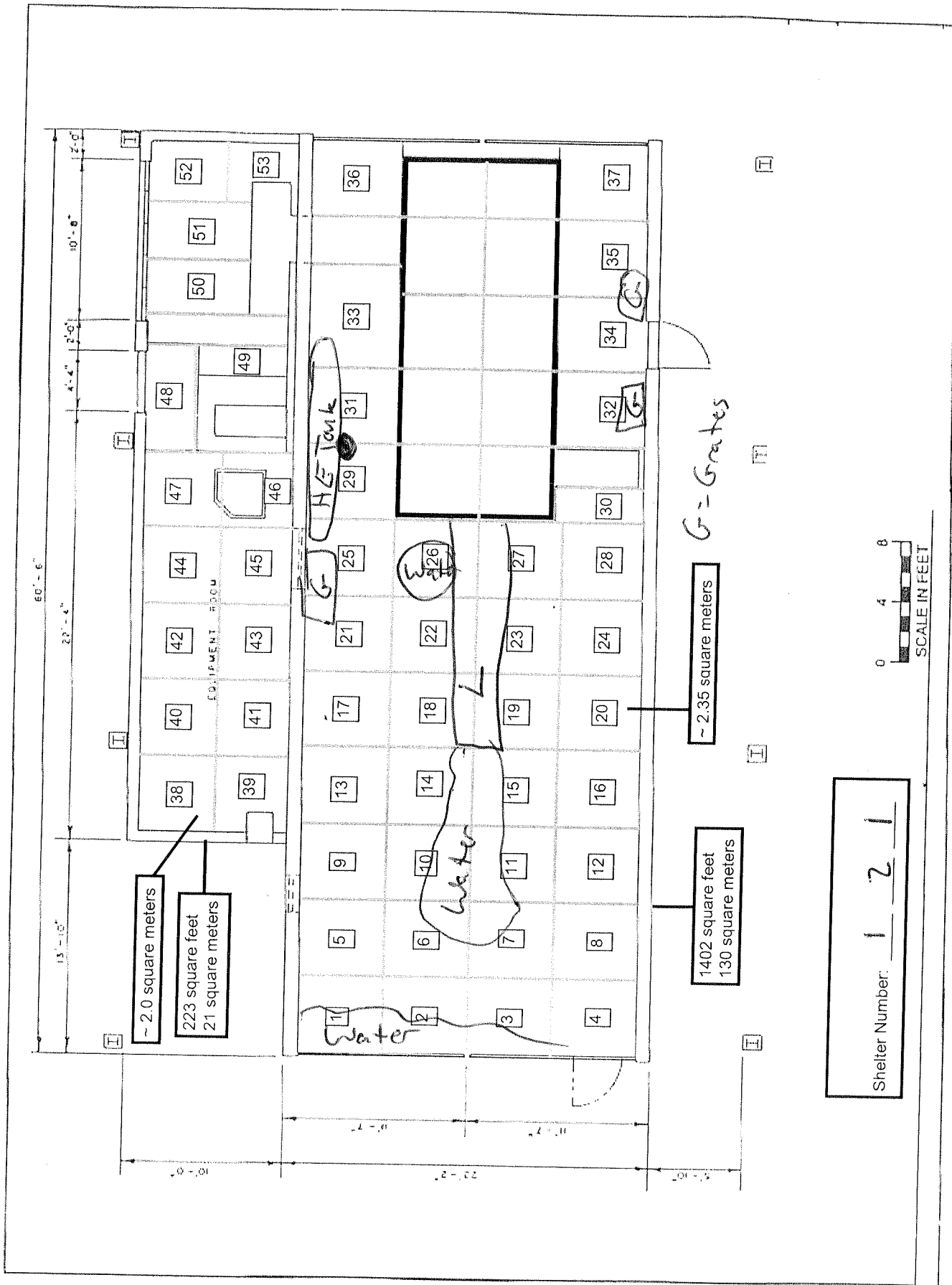
General Findings:

29/30: 1864 cpm w/ #2 Center of tank
: 1194 cpm w/ #1

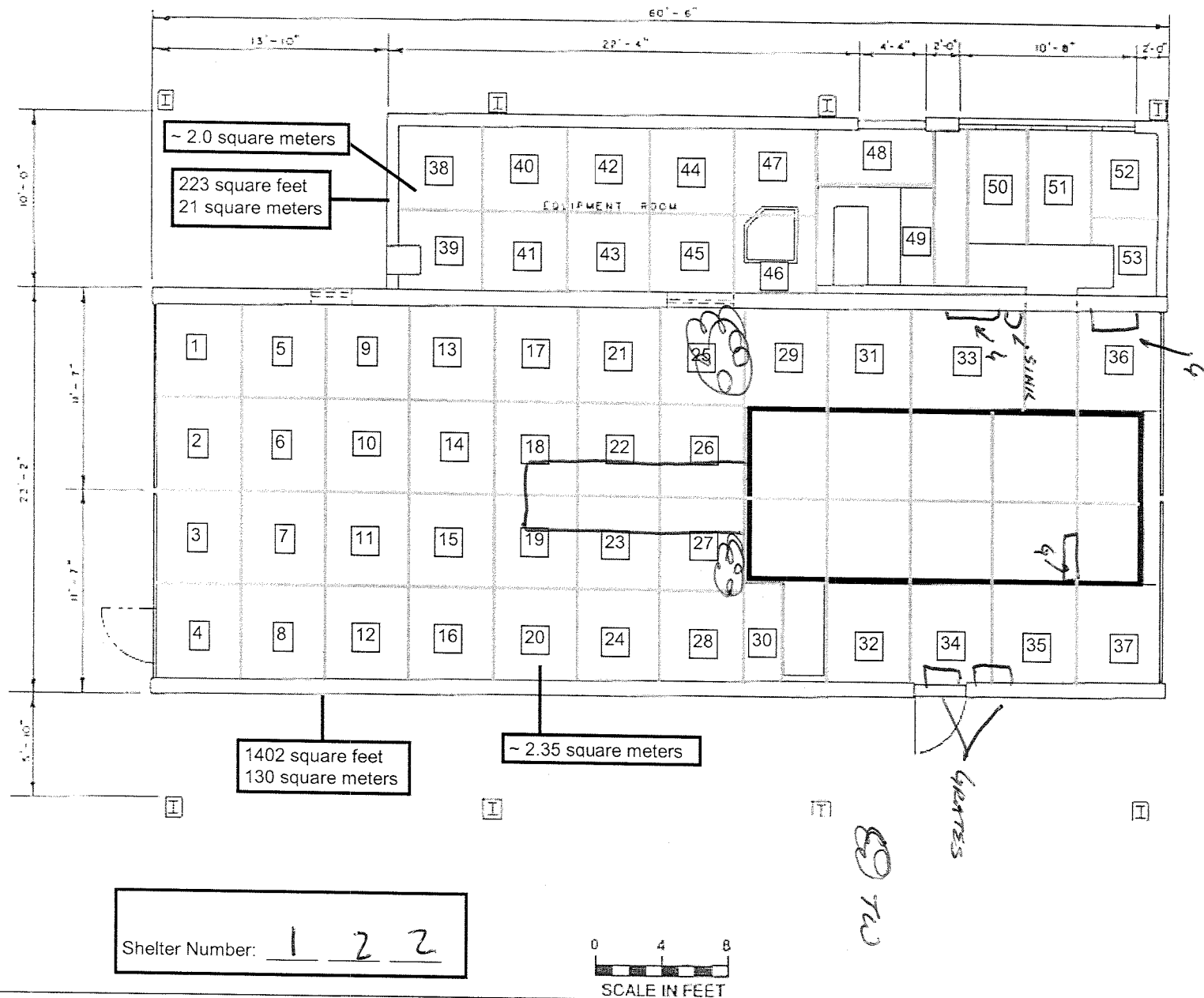
Eg. Room Wet

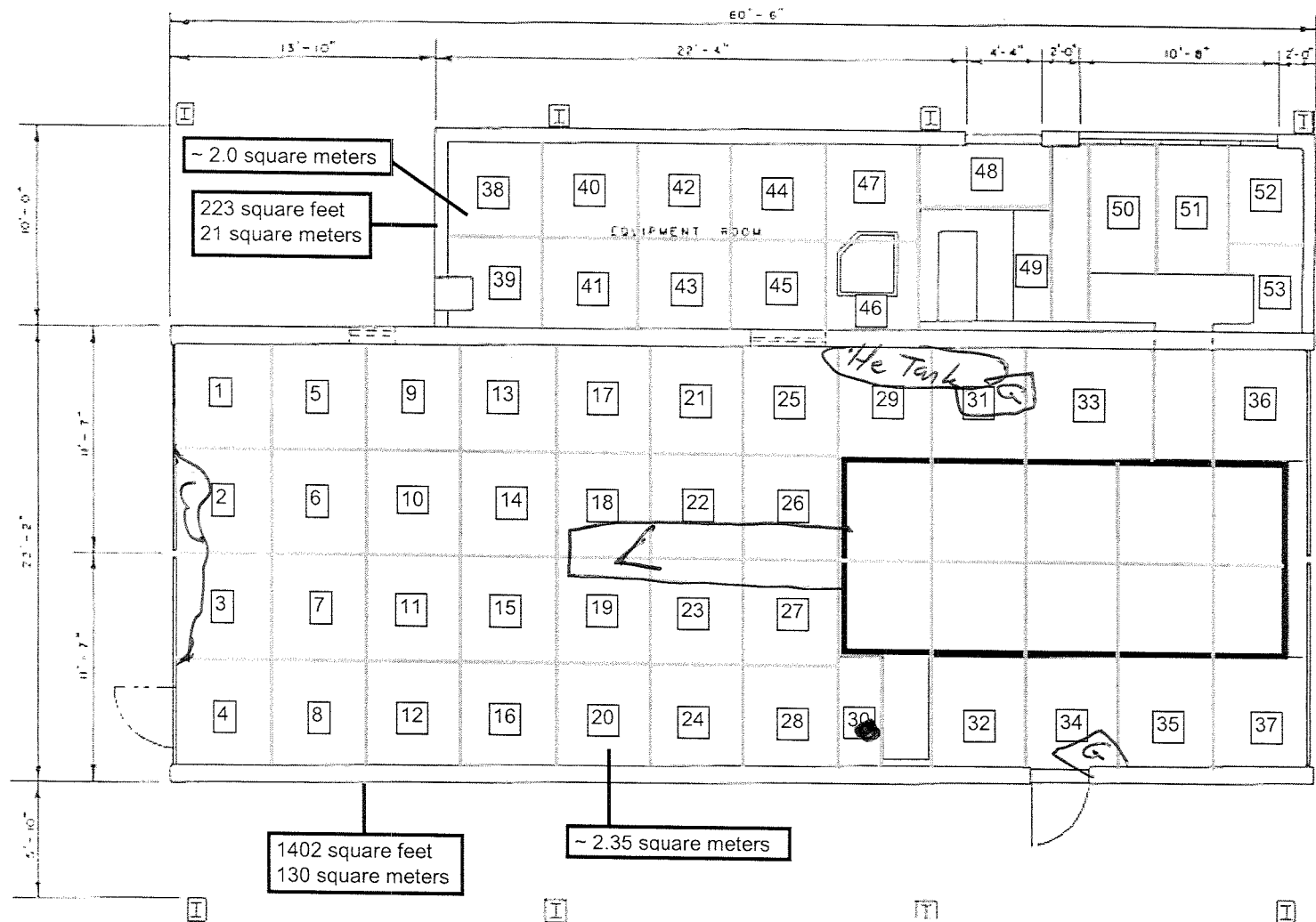
Specific Findings:

[illegible]



361

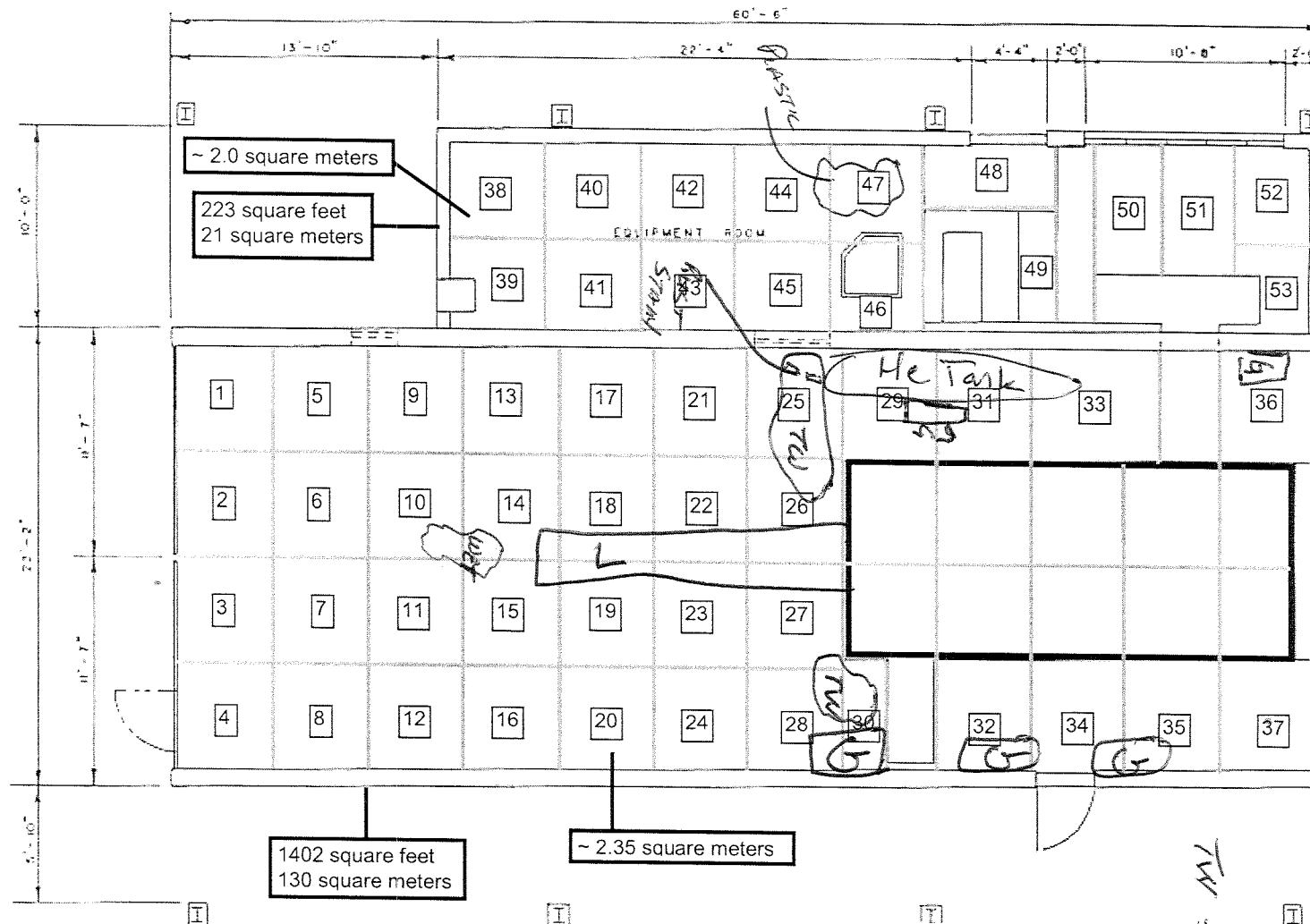




Shelter Number: 1 2 3

0 4 8
SCALE IN FEET

U1 1596
U2 2680 cpm ~~HE~~ He
X
TANK
RUST
SPOT 65 MIN



Shelter Number: 1 2 4

0 4 8
SCALE IN FEET

Survey Date: 4 Jun Survey Personnel: Hubbell Marceh Valverde

Survey Time: 12:01 to 12:11 Shelter Number: 125

Cal. Date _____ Cal. Date _____

Bkgd. 1201

2) Meter #2 2) Probe _____

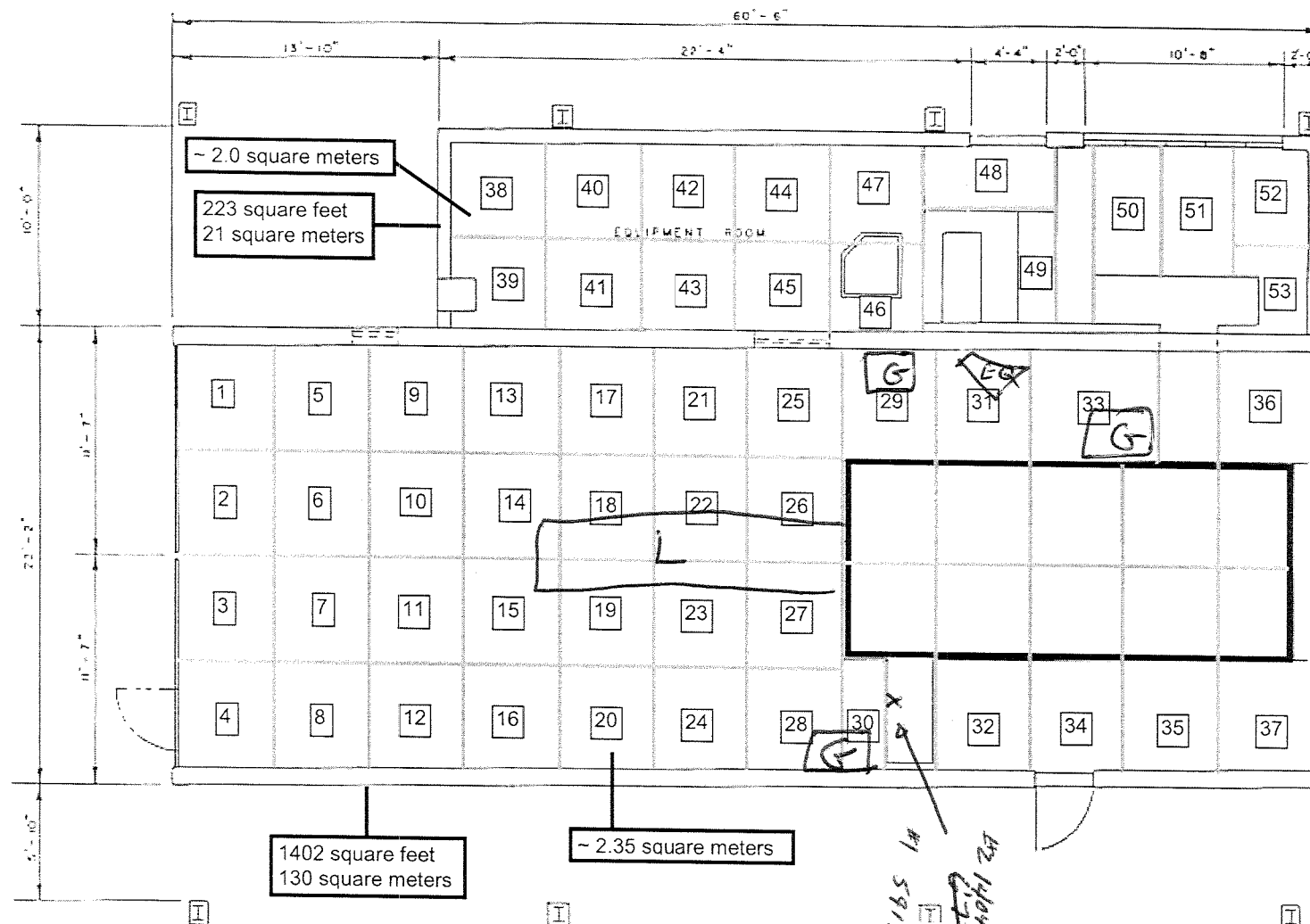
Cal. Date _____ Cal. Date _____

Bkgd 895

front doors open... lots water... lots of dirt in front section

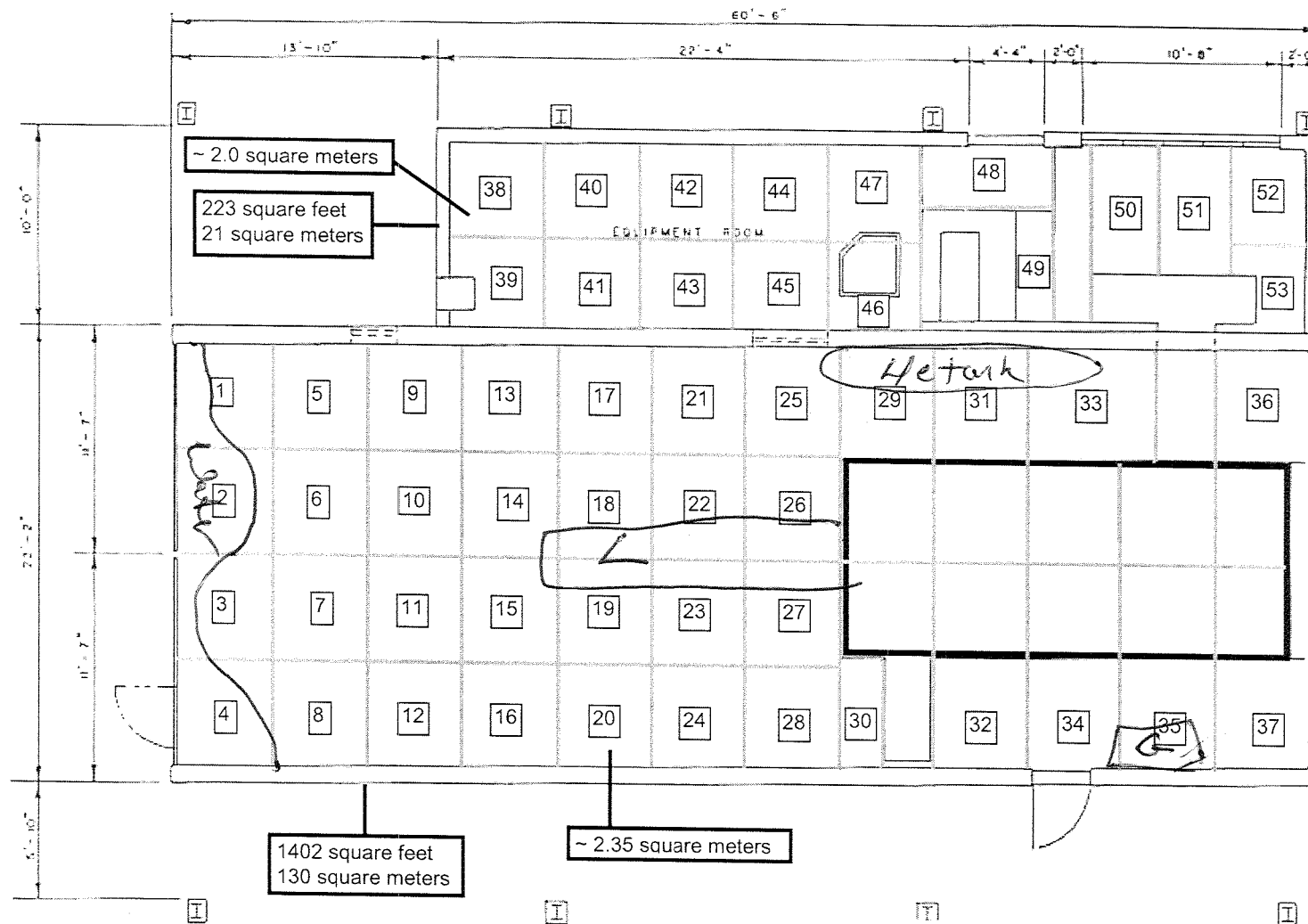
EQ Room wet

[illegible]

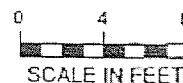


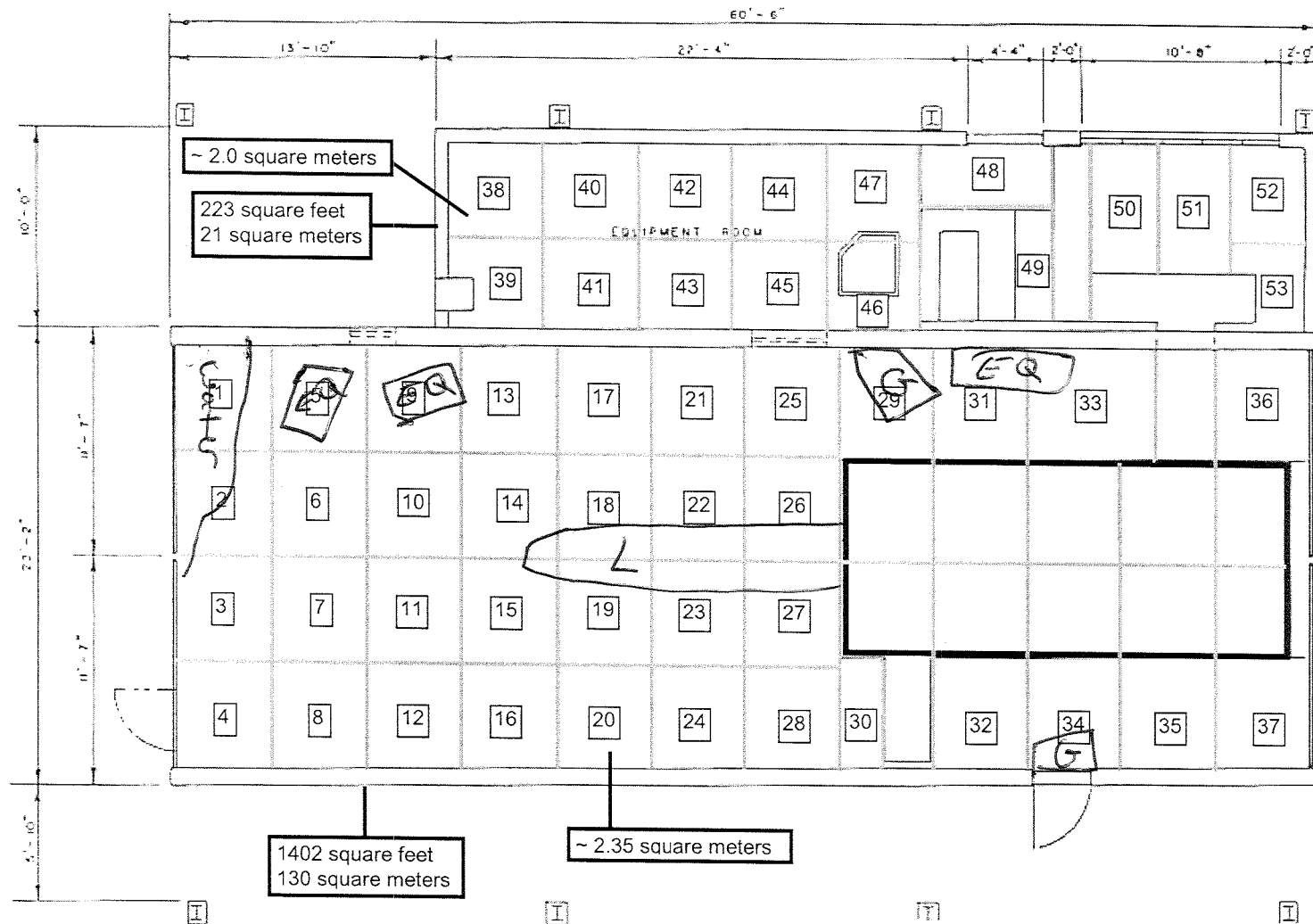
Shelter Number: 1 2 6





Shelter Number: 1 2 7





Shelter Number: 1 2 8



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 16 Jun Survey Personnel: Hubbell Harcek Valverde

Survey Time: 1555 to 16:10 Shelter Number: 201

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1245

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 914

General Findings:

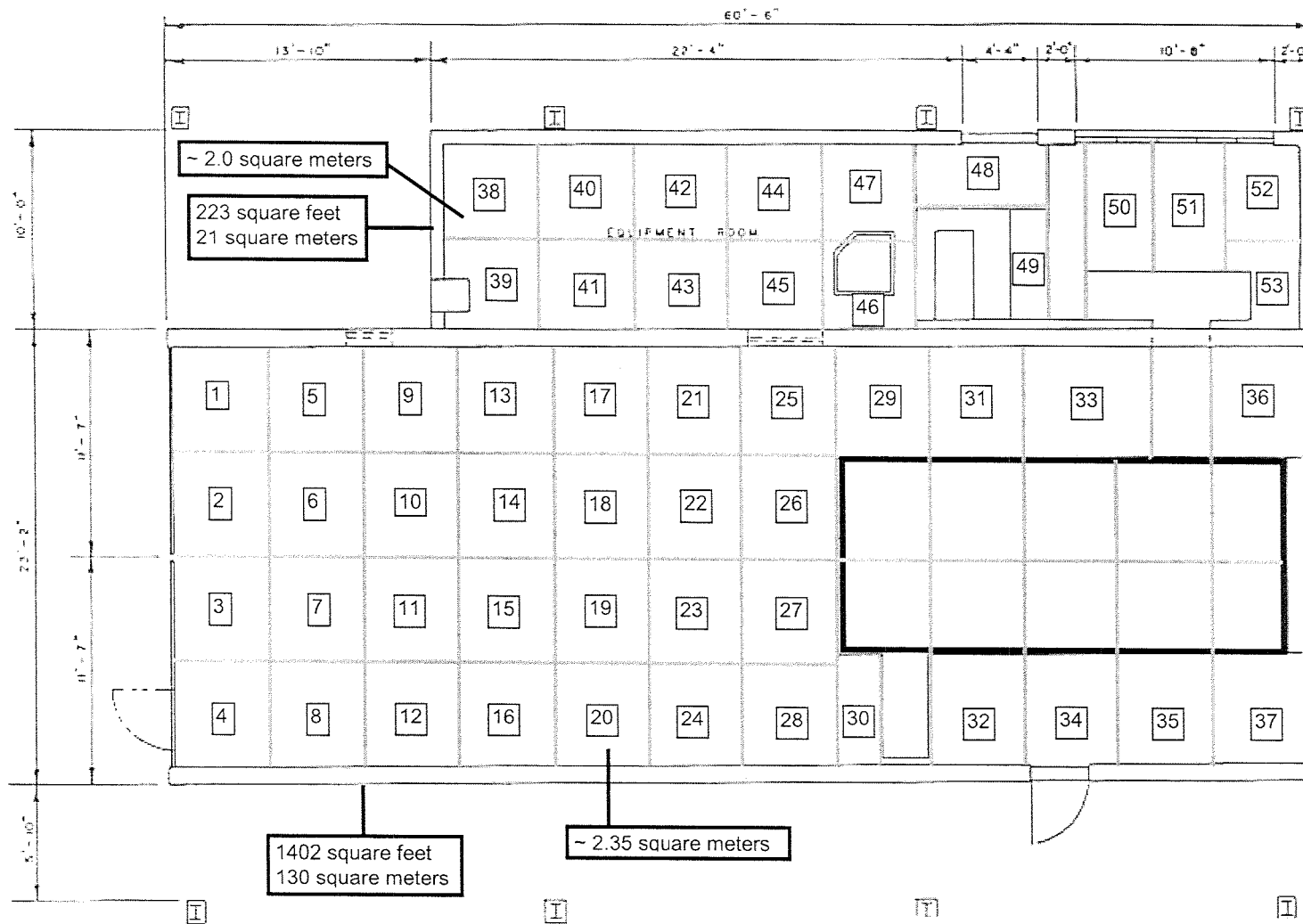
One Bay door Fully open, Very Dirty inside
Copper wire in front door, Piping on Left side front Room
Pip Dirty Looks Dry, Lots of Debris in it
Animal track in Dirt

Specific Findings:

Cell Number	Comment/Measurement Information
	<u>See Map</u>
	<u>Meter #1 = 19,000 cpm at Front Door</u>
	<u>Meter #2 = 2700 cpm Left front Door 6 inch</u> <u>from wall</u>
	<u>Meter #2 = 9,700 cpm Left of Building next</u> <u>to small pipe one foot in front</u>
	<u>Meter #1 = 8,000 cpm Back Door next to pit</u> <u>in mound of Dirt. 10 inch from Door</u>
	<u>Equipment Room clean</u>







Shelter Number: 205



BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 29 Jun 07 Survey Personnel: Lt Col Rademacher

Survey Time: 1345 to 15:00

Shelter Number: 205

Survey Instruments: 1) Meter S/N 169248 1) Probe S/N 60005-2900

Cal. Date 23 Jan 07 Cal. Date

Bkgd 1298

2) Meter

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
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2048	2048
2049	2049

Bkgd

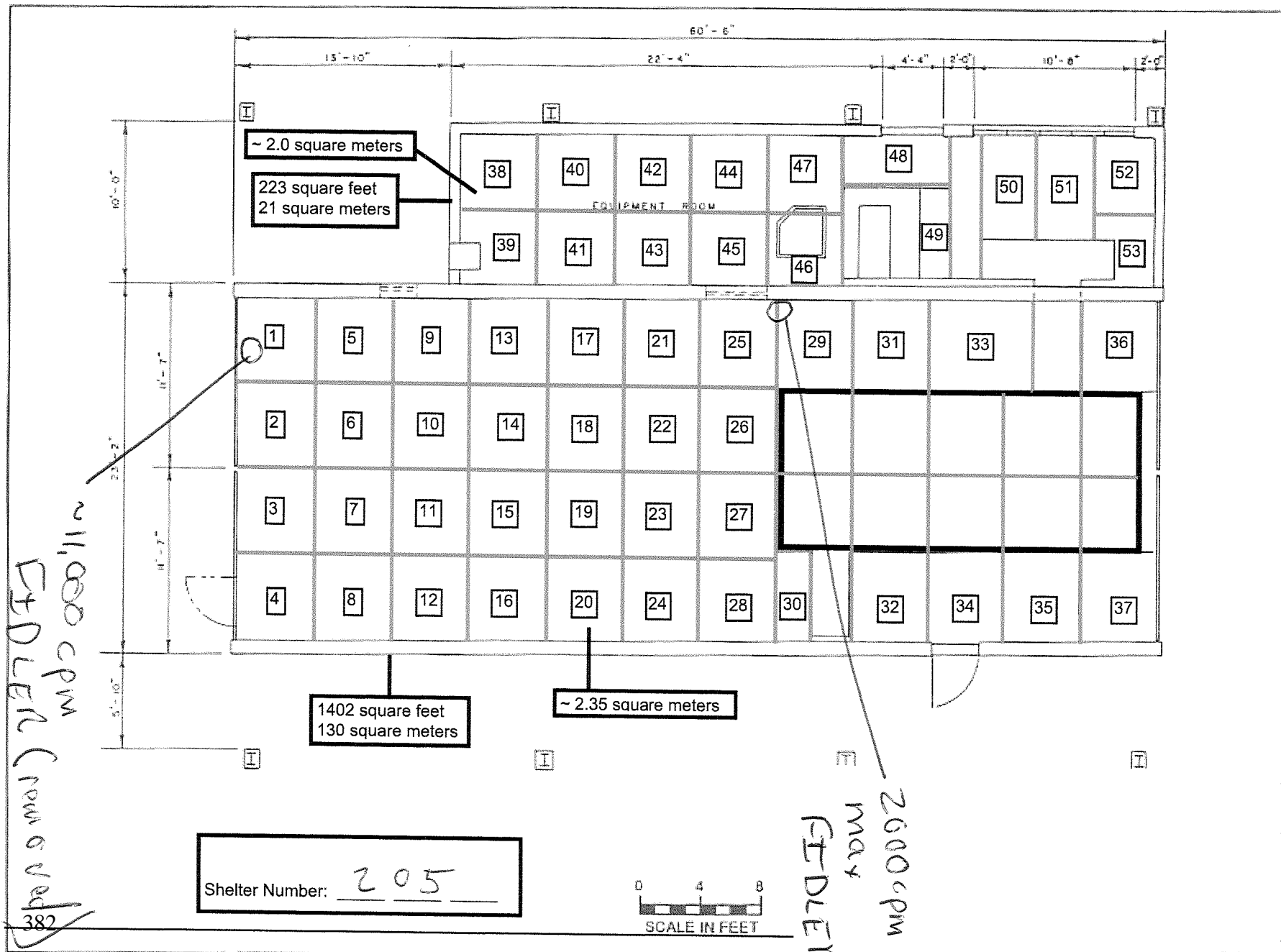
General Findings:

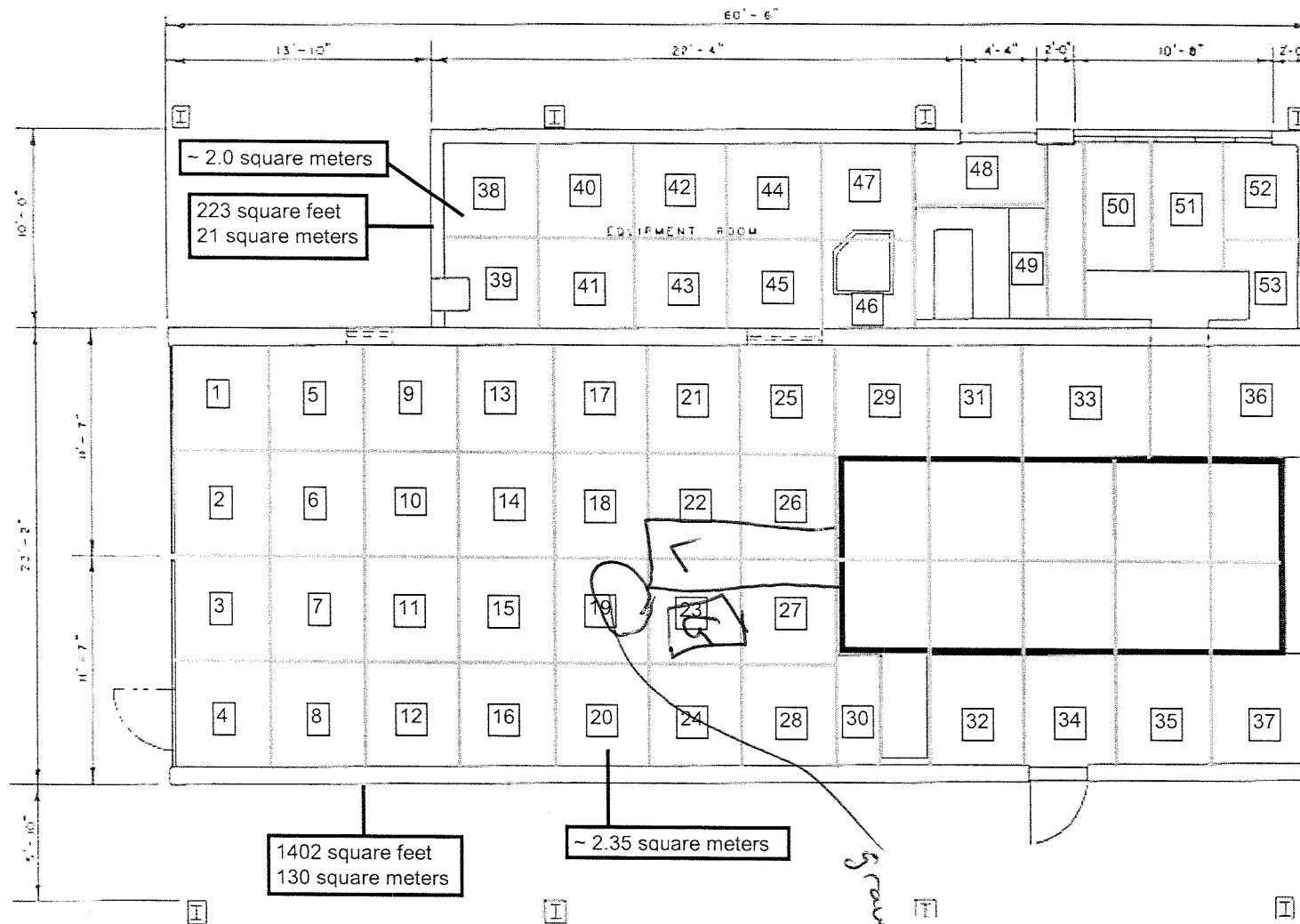
2 - locations w/ elevated count rate w/ the FIDLER.

Cell #1 particles removed, while 25/29 appears fixed.

Specific Findings:

[illegible]



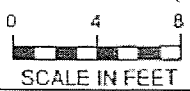


~ 2.0 square meters
223 square feet
21 square meters

1402 square feet
130 square meters

~ 2.35 square meters

Shelter Number: 206



Survey Date: 6 Jun Survey Personnel: Hubbell Harcek Valverde

Survey Instruments: 1) Meter _____ 1) Probe _____

Bkgd 1245

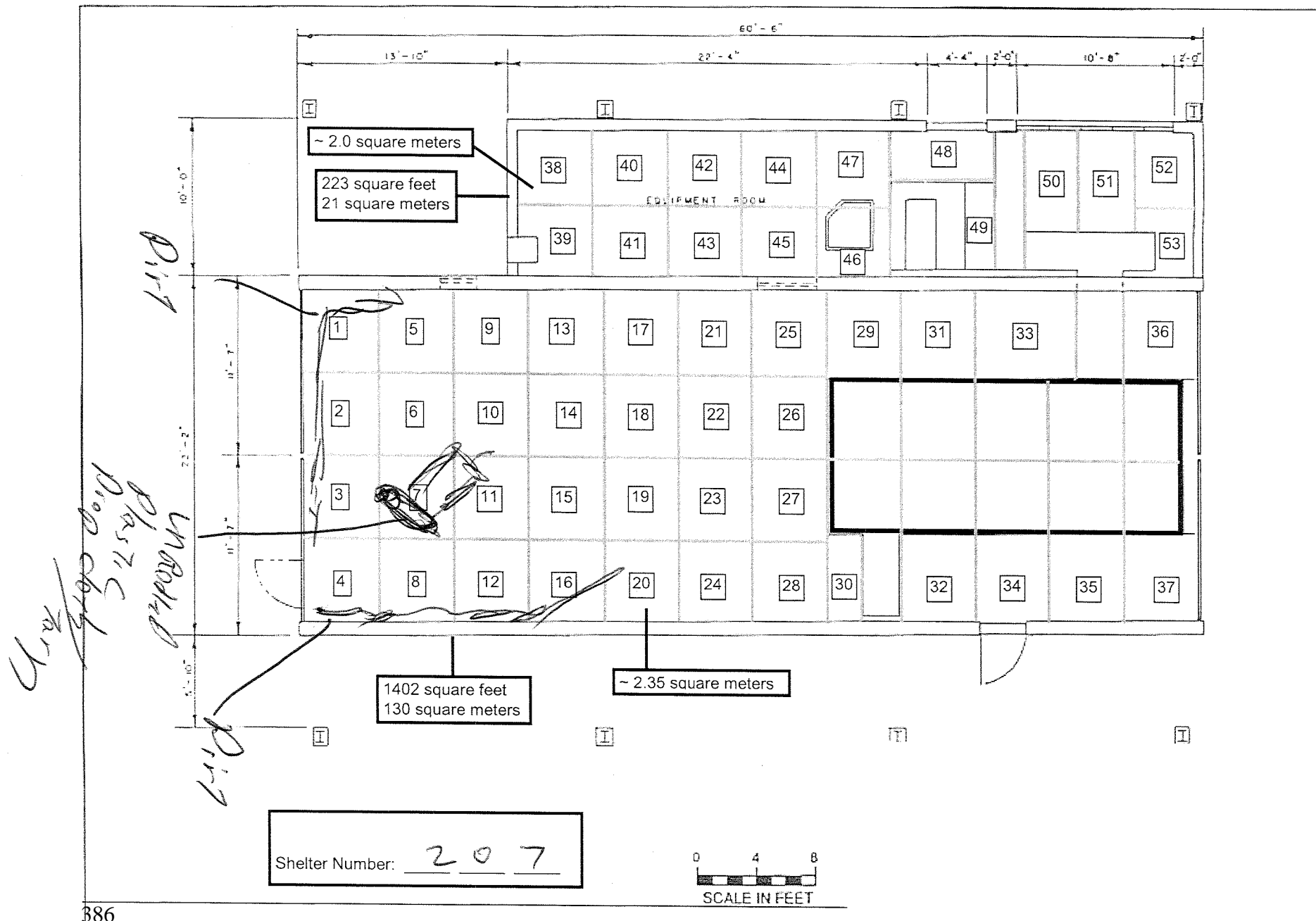
2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1890	1890
1891	1891
1892	1892
1893	1893
1894	1894
1895	1895
1896	1896
1897	1897
1898	1898
1899	1899
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
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2039	2039

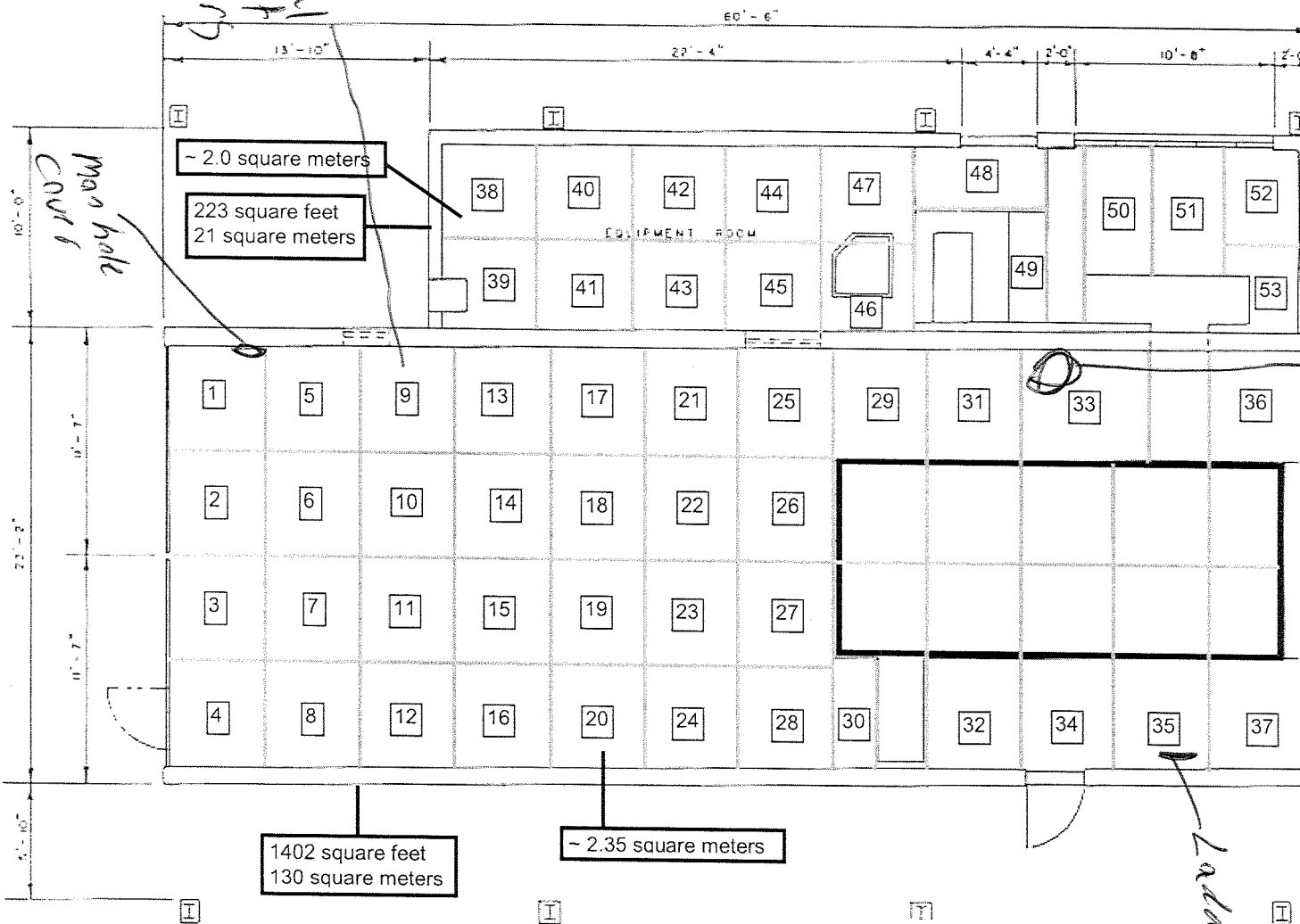
Bkgd 792

General Findings:
Debris ~~and~~ Dirt all along sides of Building and Front Door
Plastic Drop cloth/Tarp rolled up in middle of
Room, Hydraulic Fluid in Pin
Equipment Room open, Lots of Debris on Floor esp.
Pipe degradation

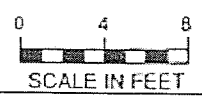
[illegible]



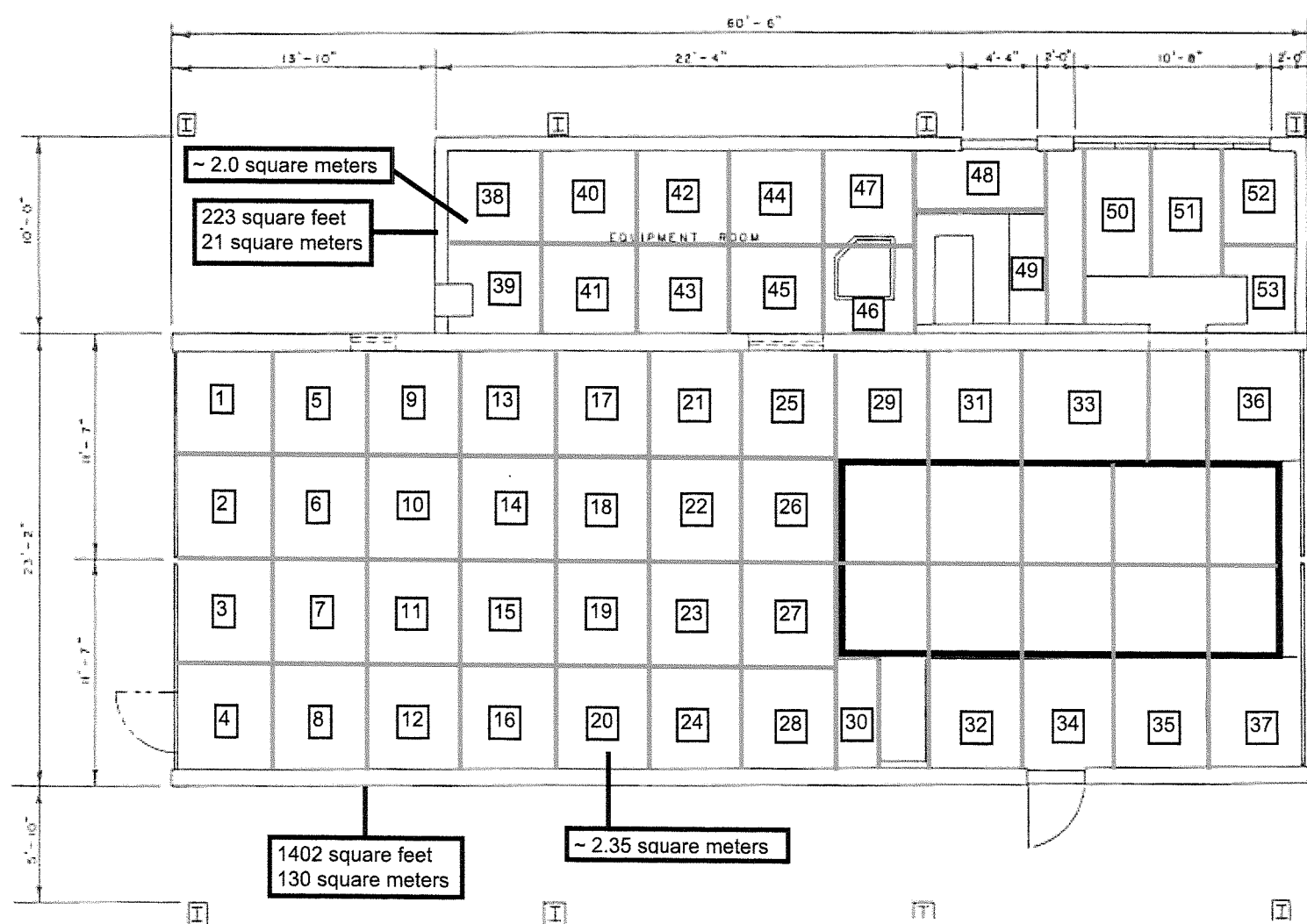
*metal
shelter
Dorm*



Shelter Number: 208

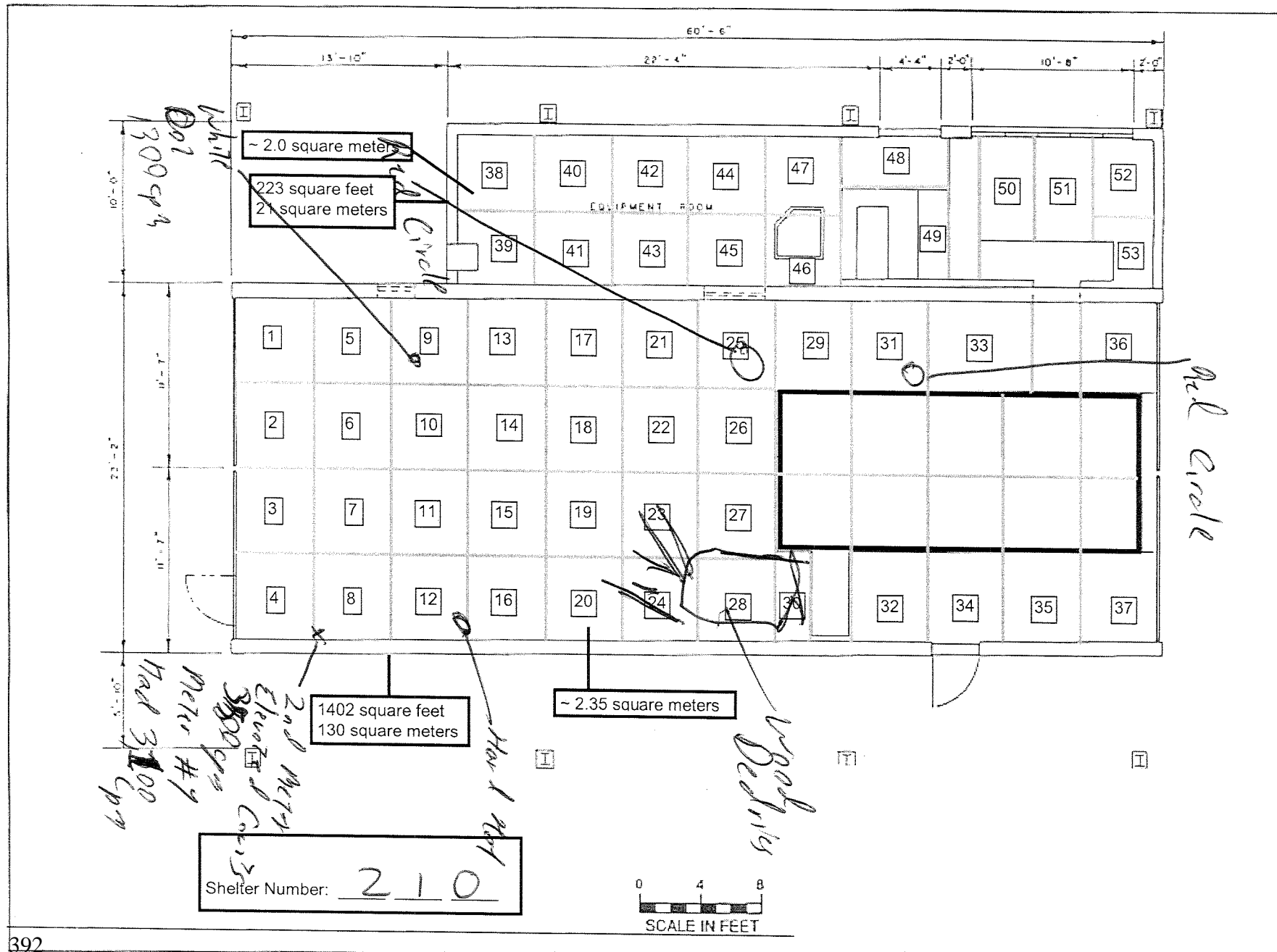


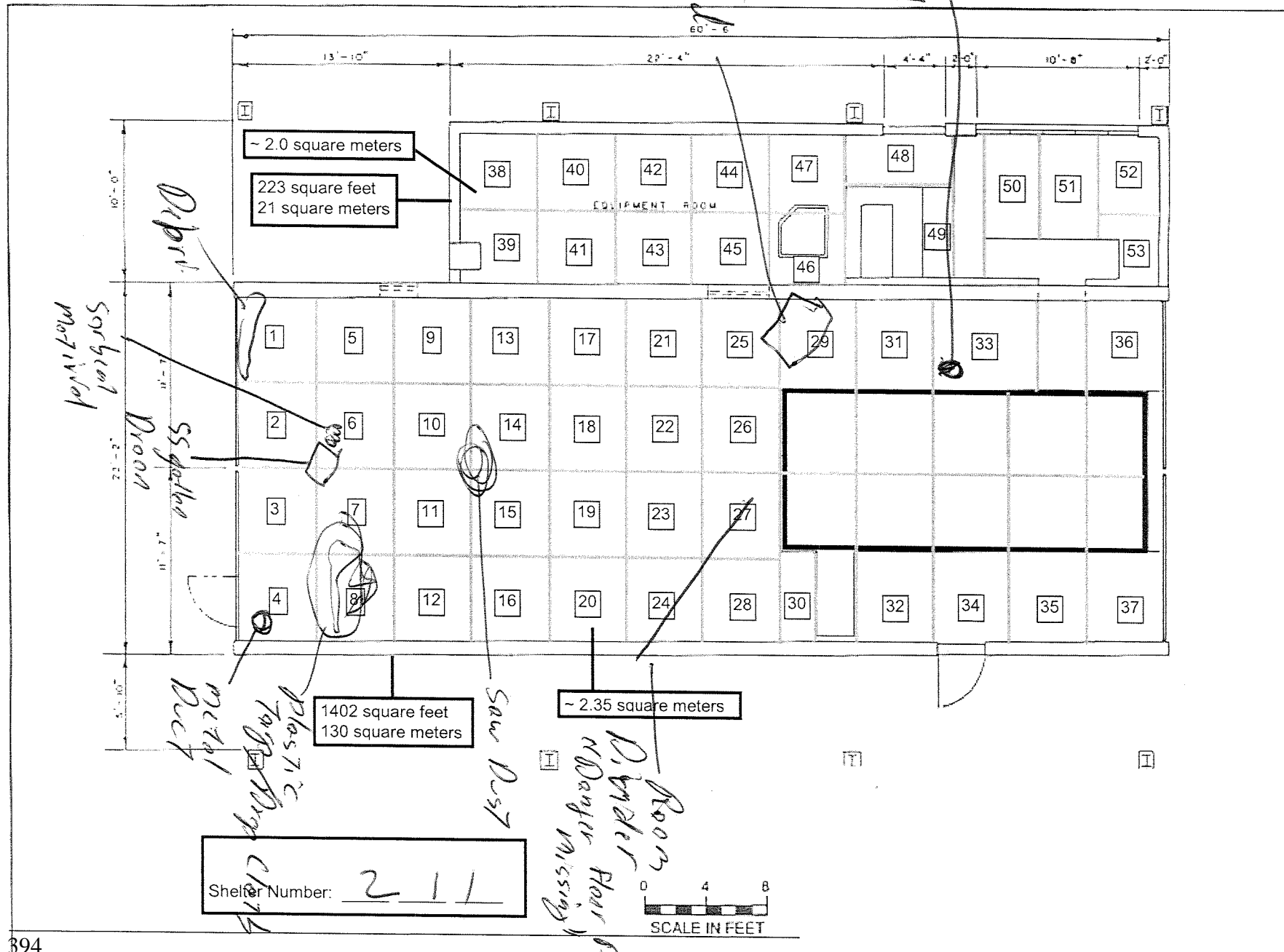
[illegible]



Shelter Number: 209







BOMARC Missile Shelter Radiological Data Form
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 6 Jun Survey Personnel: Hubbell Harcek Valverde

Survey Time: 1332:00 to 1355:00

Shelter Number: 212

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1218

2) Meter _____ 2) Probe _____

Cal. Date 741 Cal. Date _____

Bkgd _____

General Findings:

General Findings:
Building cordon off half way through, Side door is well shut. Front Bay Doors Wide Open, Crate in Room on Right side with Rad Bags inside Crate, in front of Crate are for Hitch mounted Cargo Carrier, ~~1~~ Pizza Boxes, Paper Towels Exct., Back of Room Full of weeds/leaves, debris, kiddie pool Behind Launcher, see map on next page

Specific Findings:

Cell Number	Comment/Measurement Information
	Food Bowls Inside Pitty, Equipment Room inaccessible due Chain link Fence next to it.

Chain
Link
Fence

Chain
Link
Fence

wood
pile
up
pile

Killie Pool

Black Plastic

Beds

Door with
sand wire

wood
pallet

Cord
off area

Black
water
drain

Boxes

Pizza
boxes

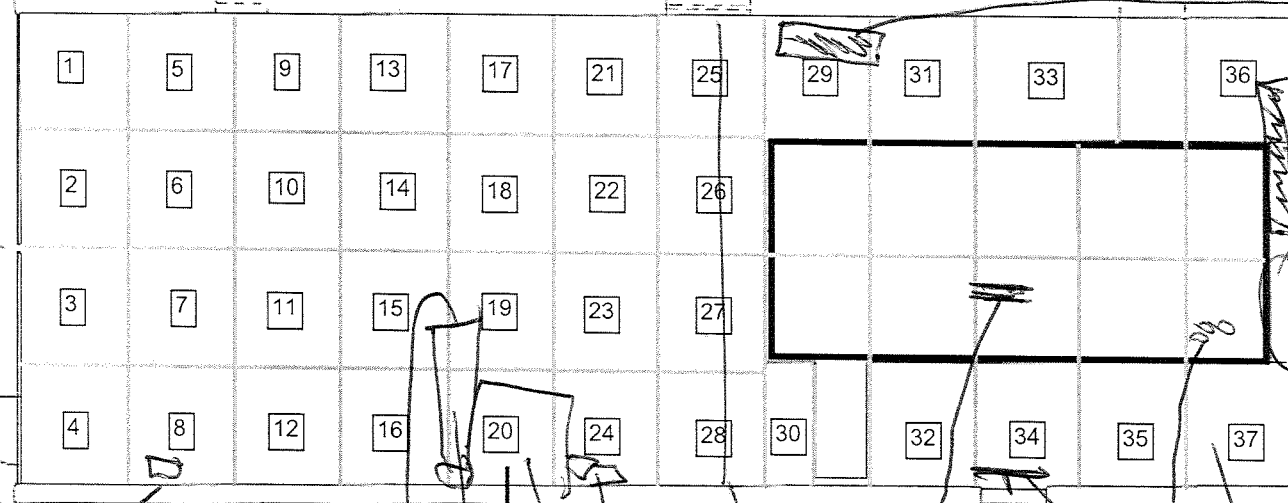
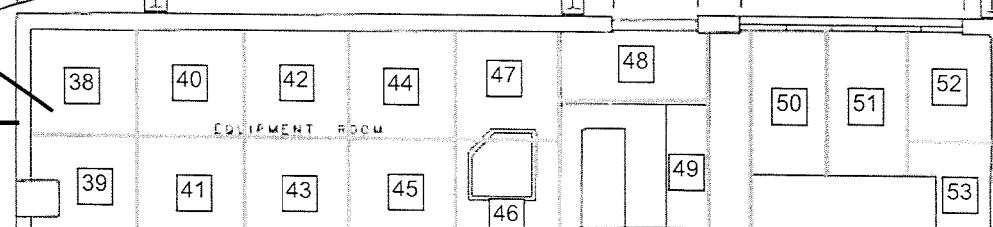
Can of
spray paint

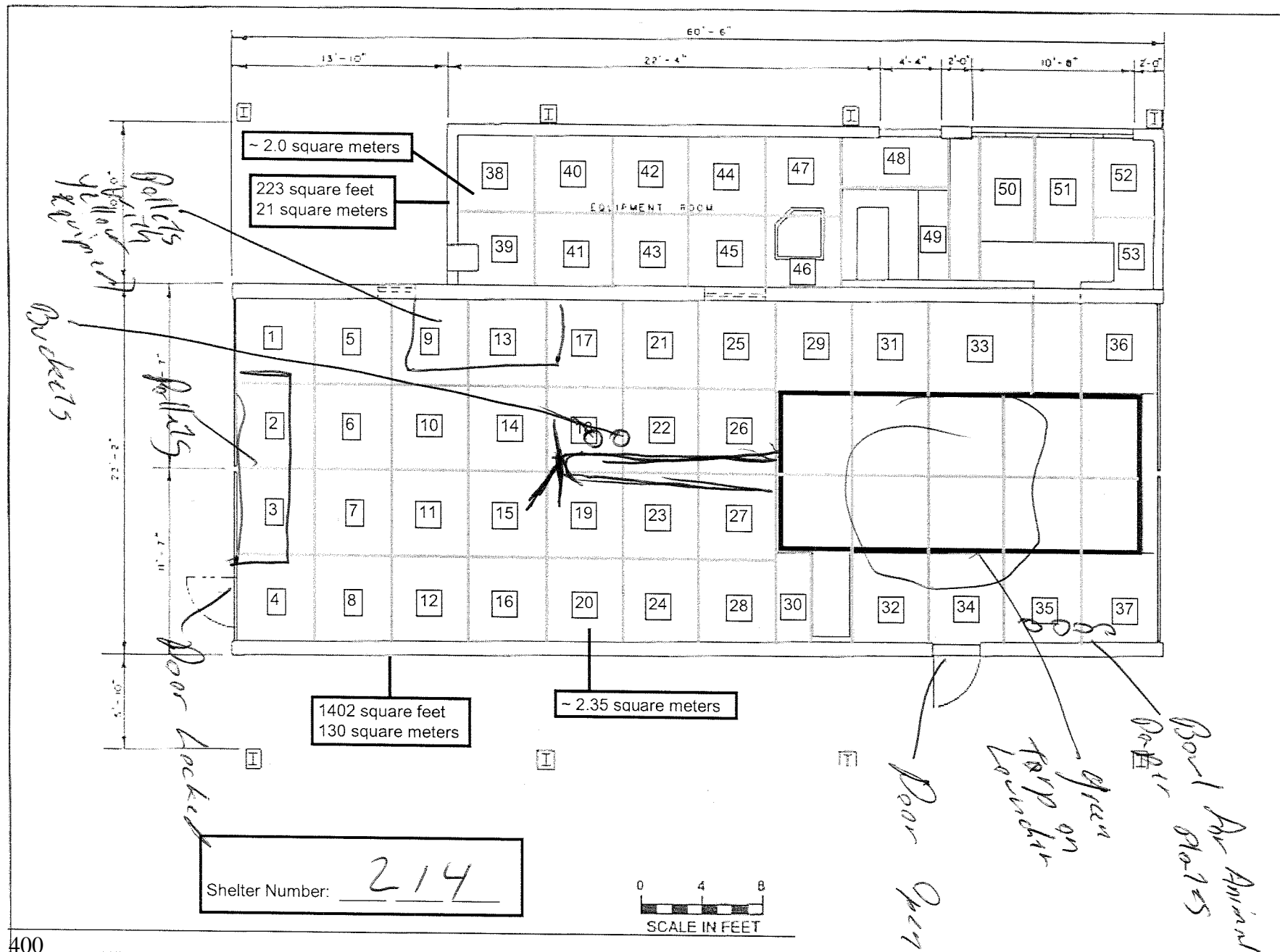
~ 2.0 square meters
223 square feet
21 square meters

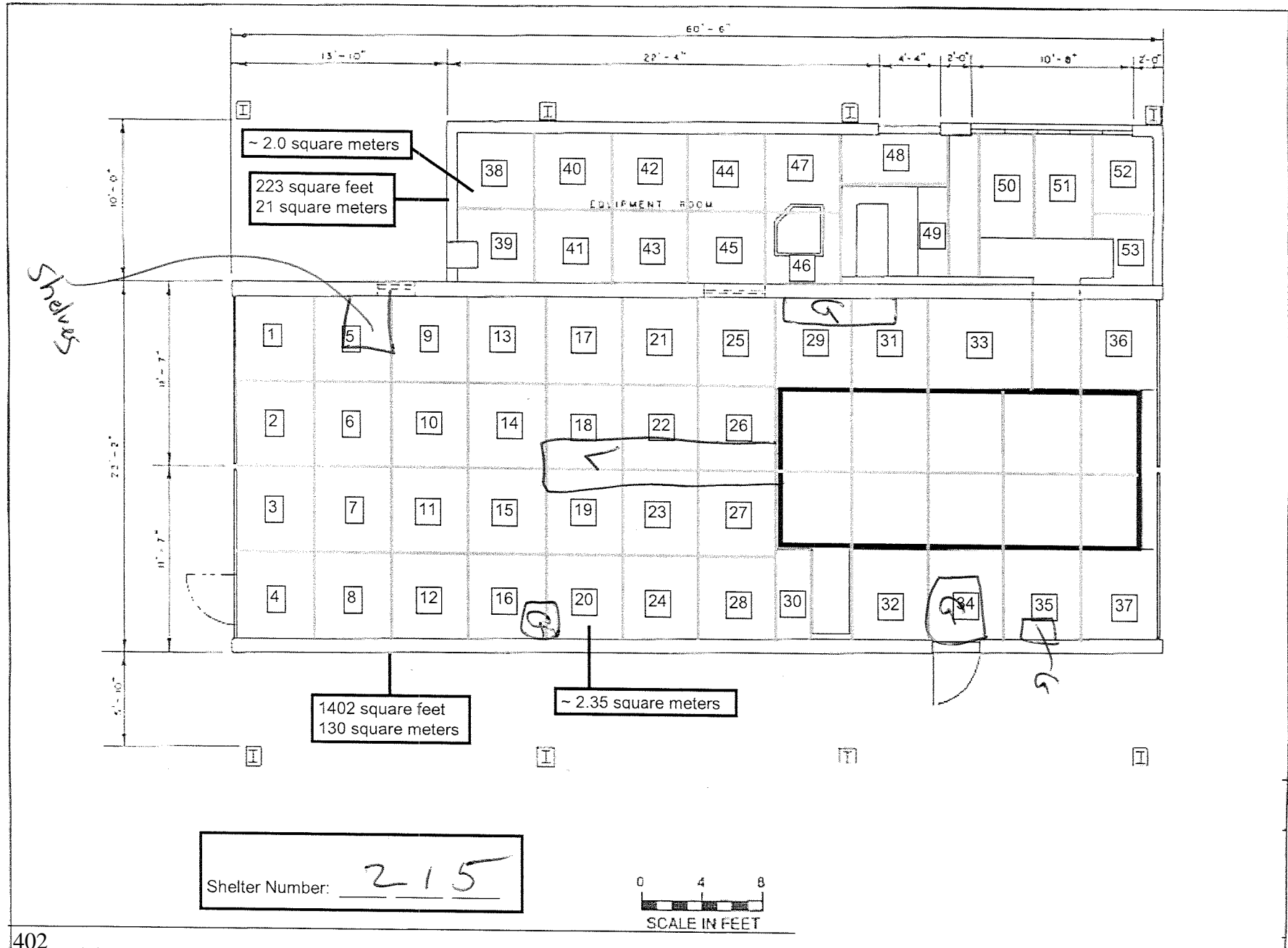
1402 square feet
130 square meters

~ 2.35 square meters

Shelter Number: 212







Survey Date: 6 Jun Survey Personnel: _____

Survey Time: _____ : _____ to _____ : _____

Shelter Number: 216

Cal. Date _____ Cal. Date _____

Bkgd

Cal. Date _____ Cal. Date _____

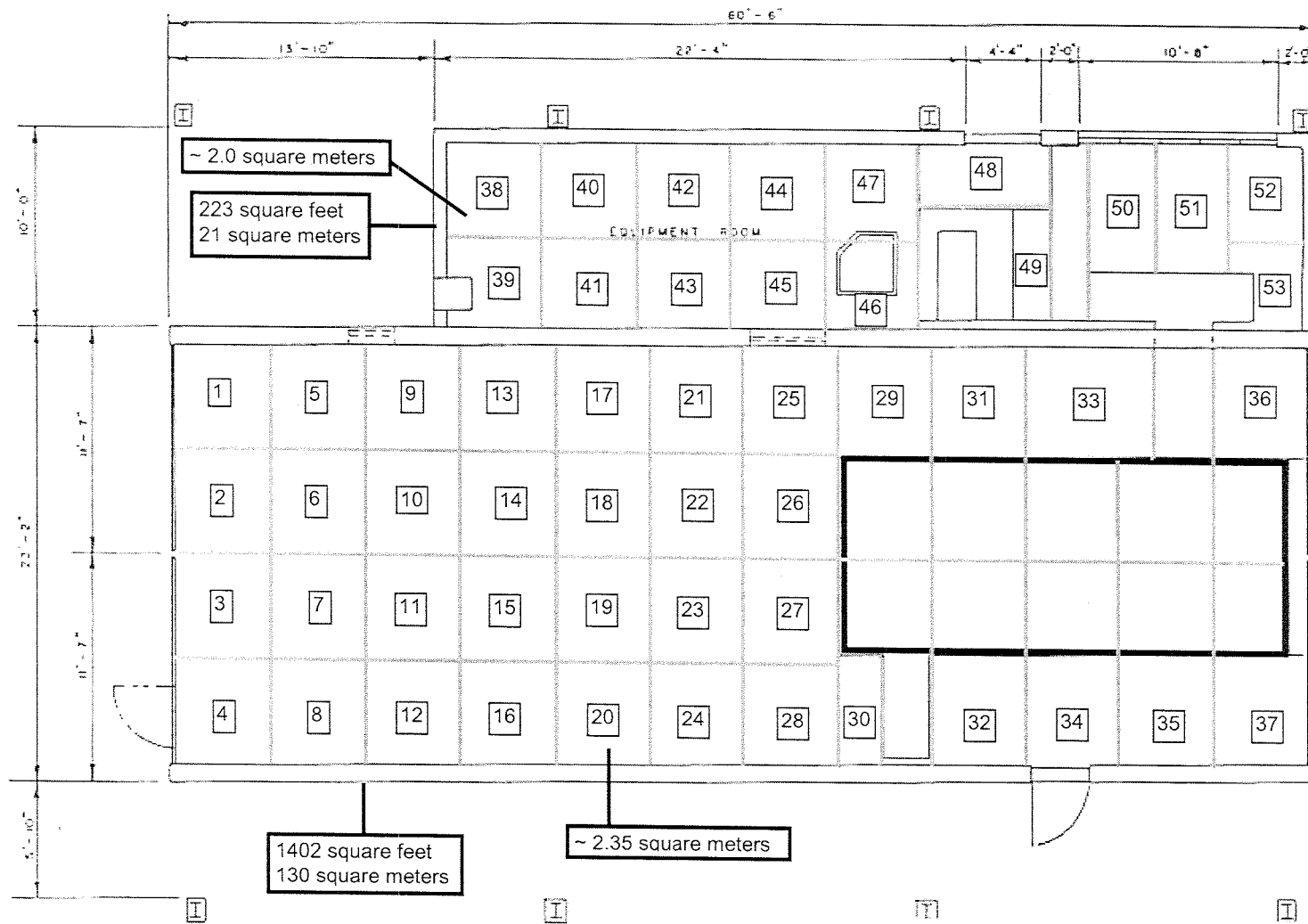
Bkgd

General Findings:

General Findings: Did not survey. Actively being used by current contractor for equipment storage

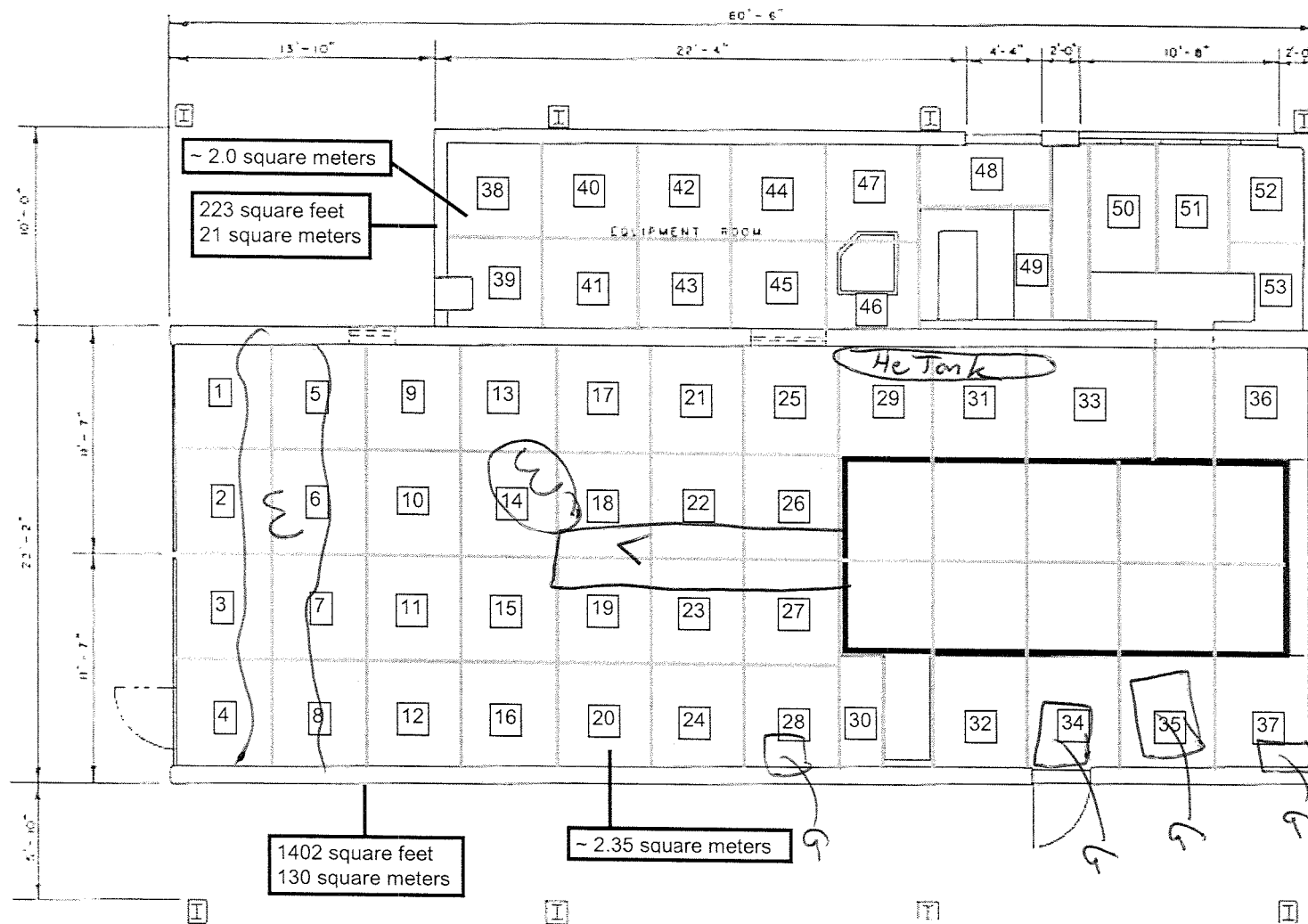
Specific Findings:

403

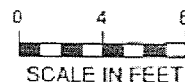


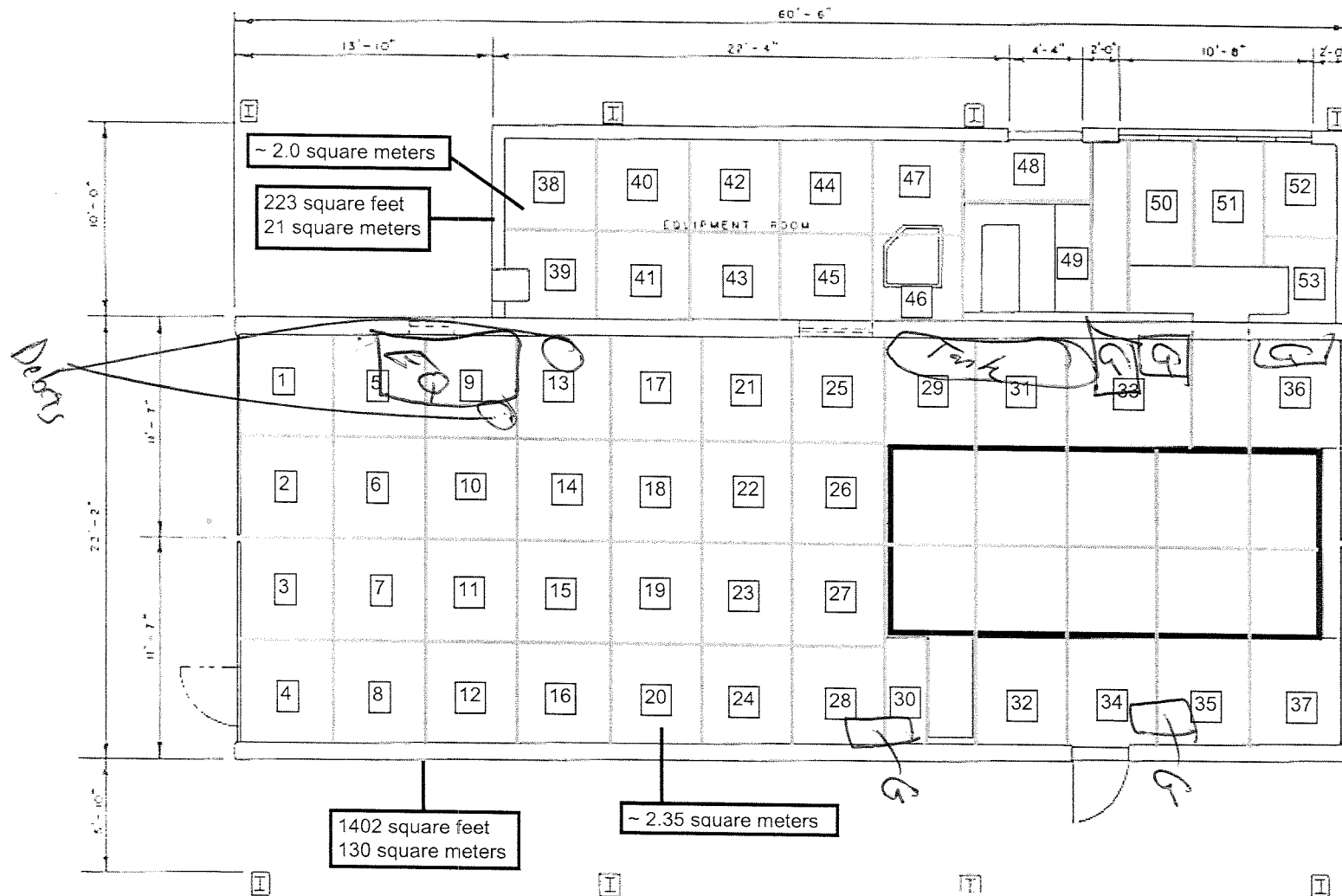
Shelter Number: 216





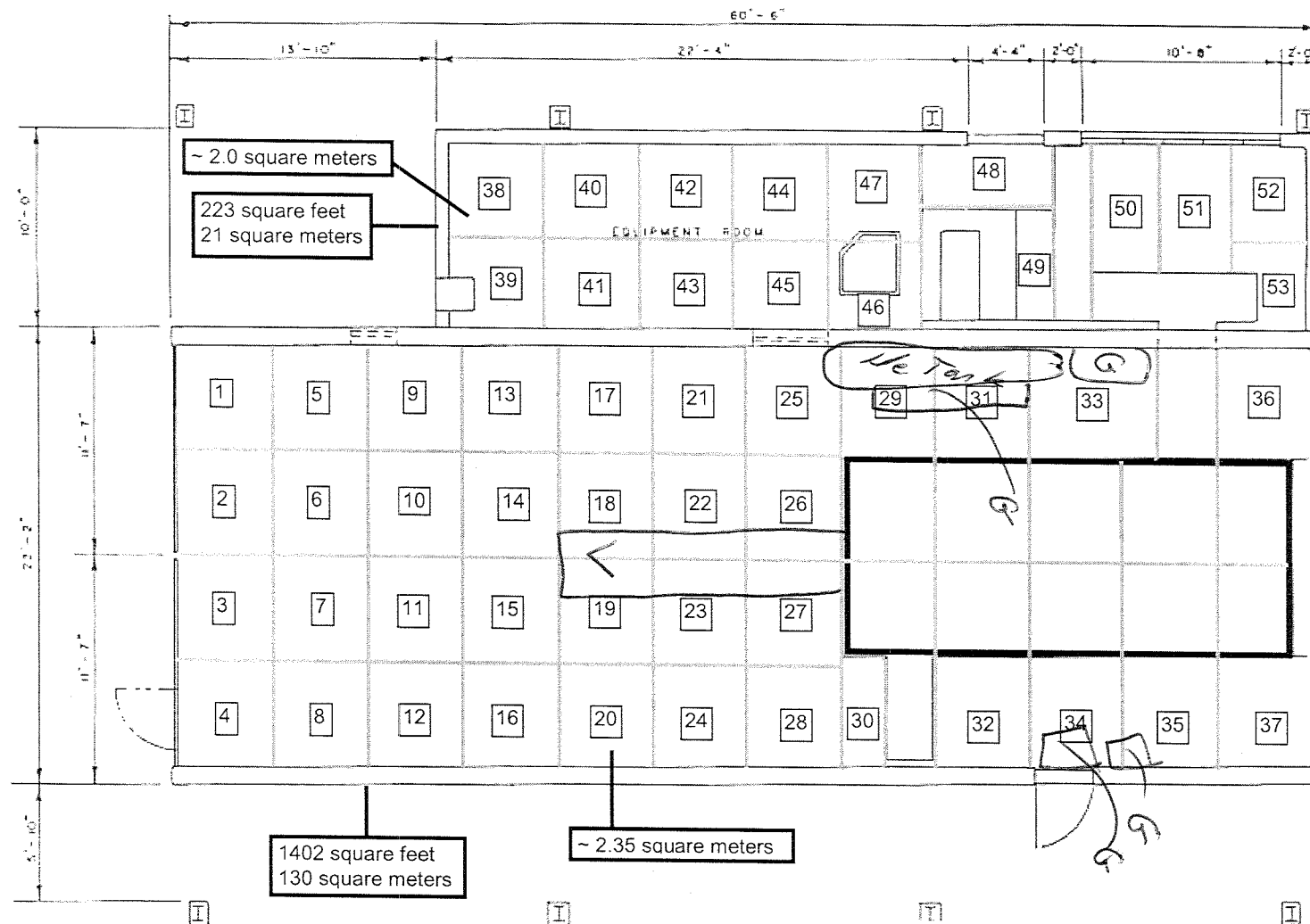
Shelter Number: 217





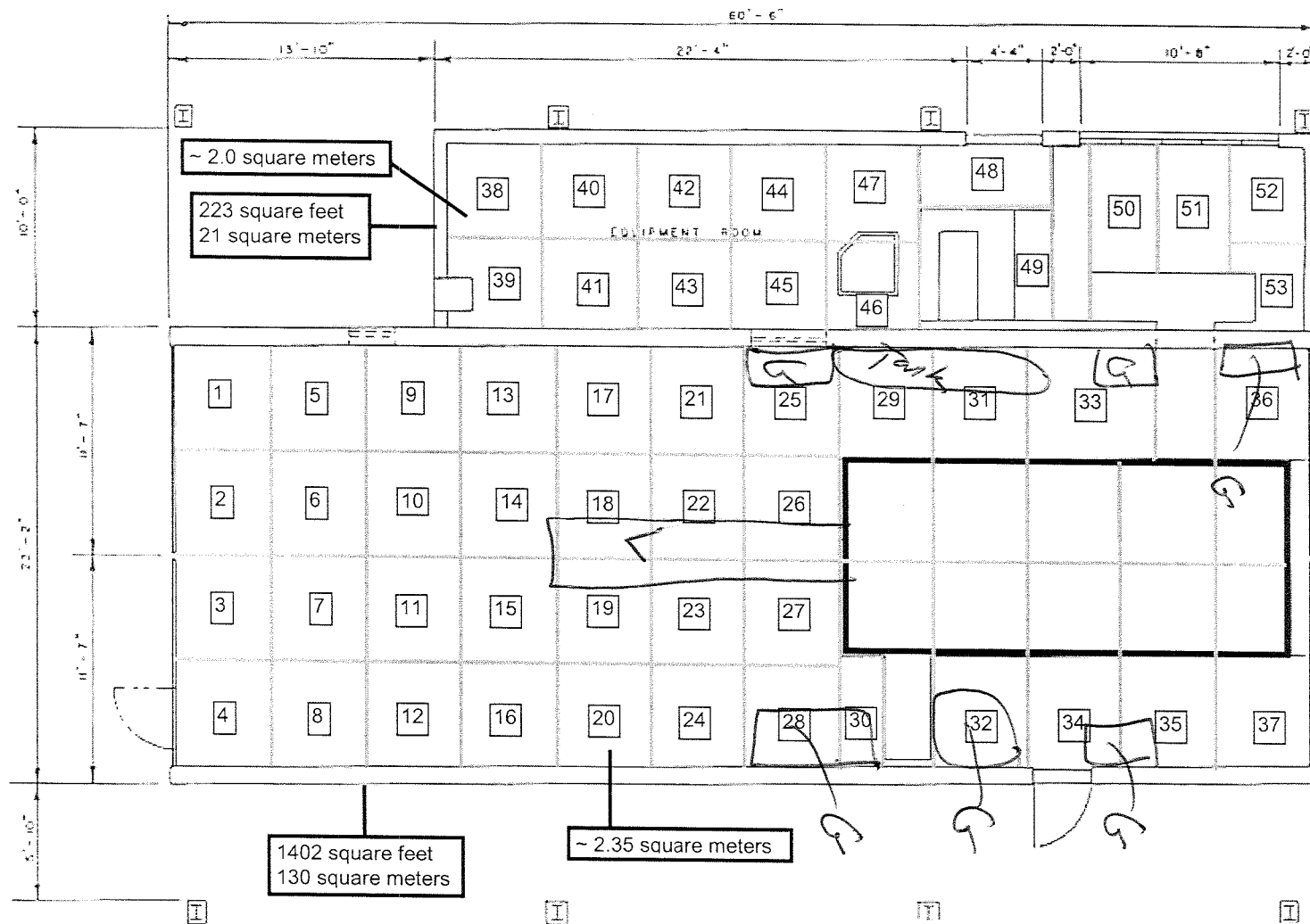
Shelter Number: 218

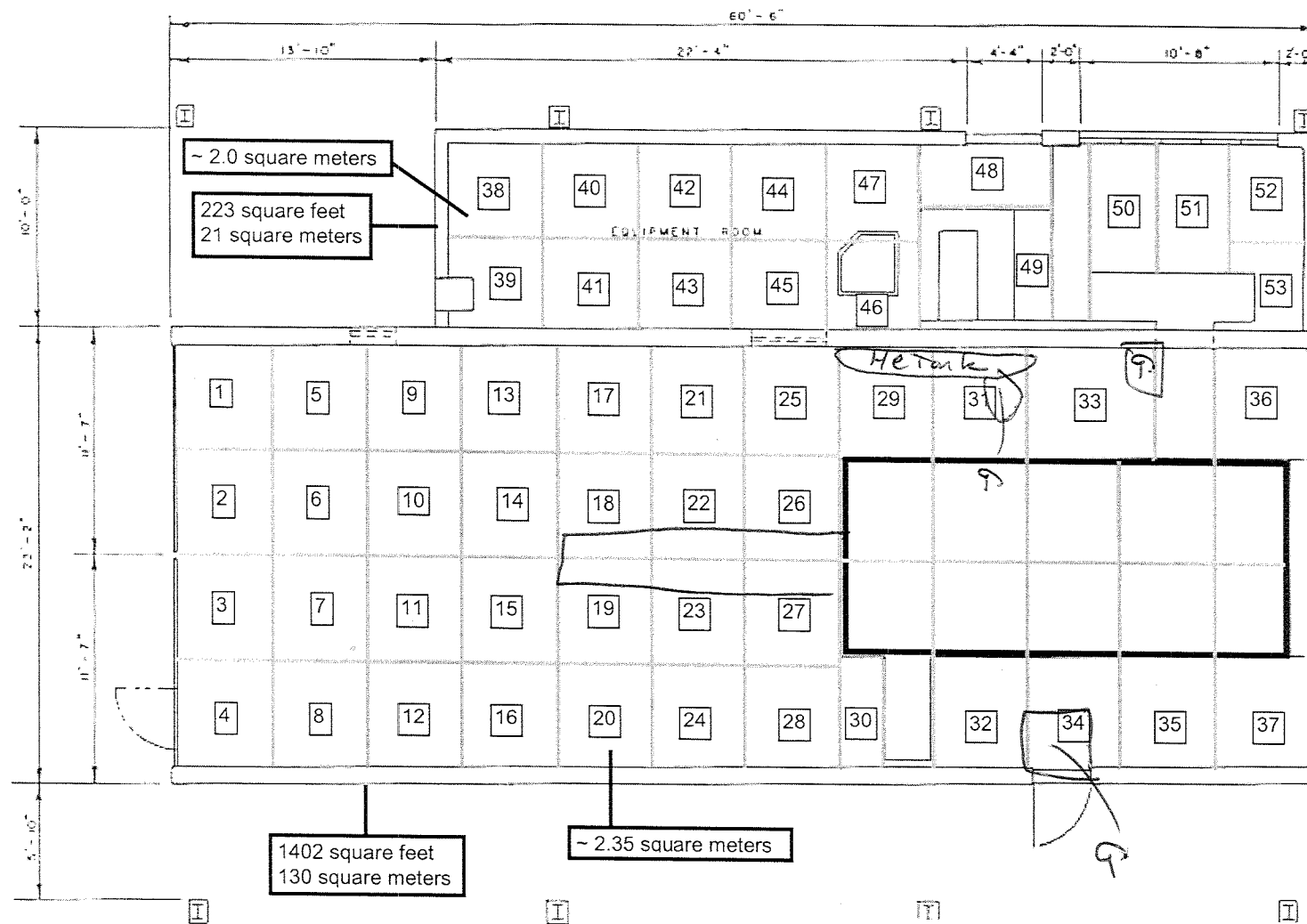




Shelter Number: 219

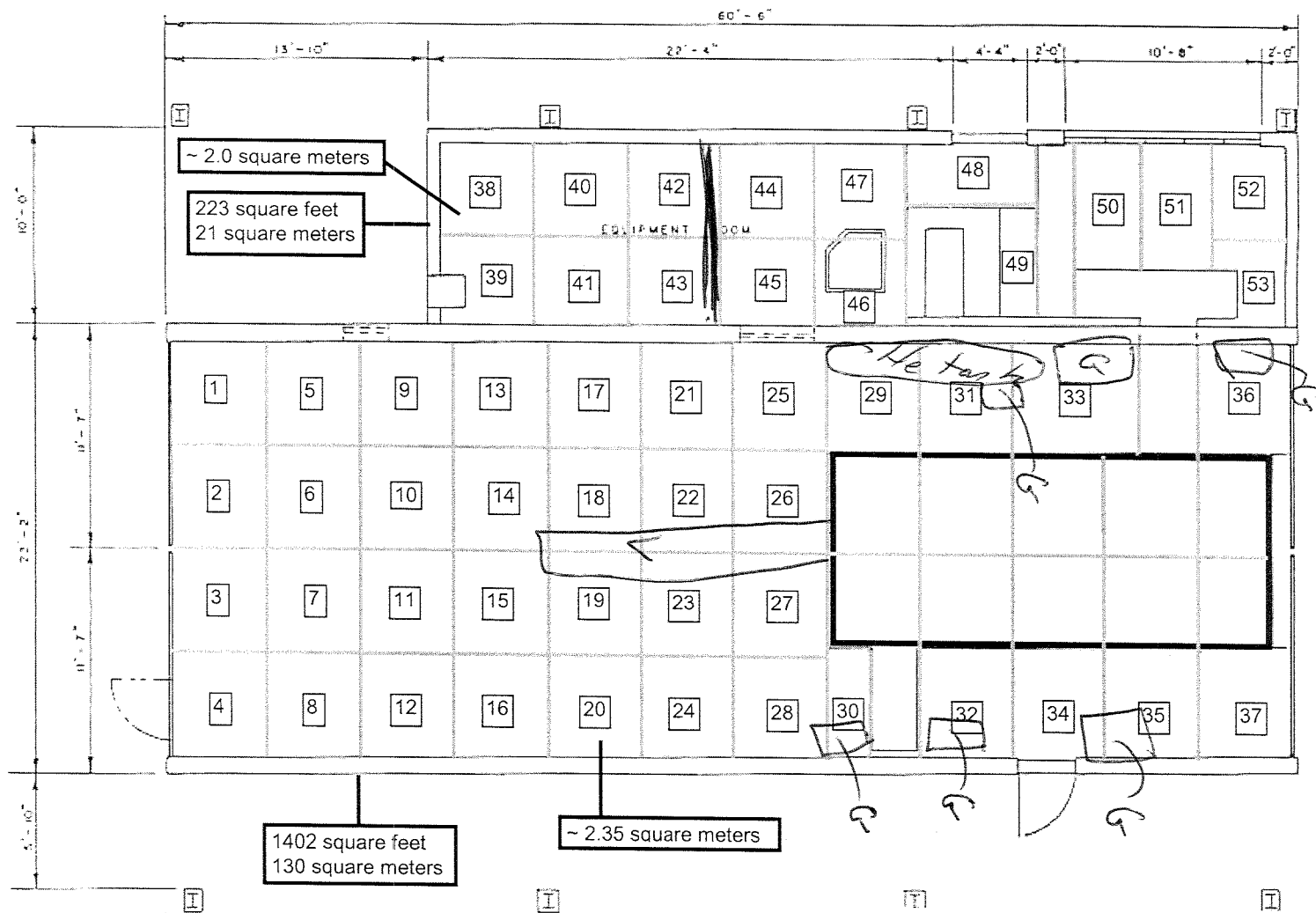




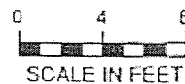


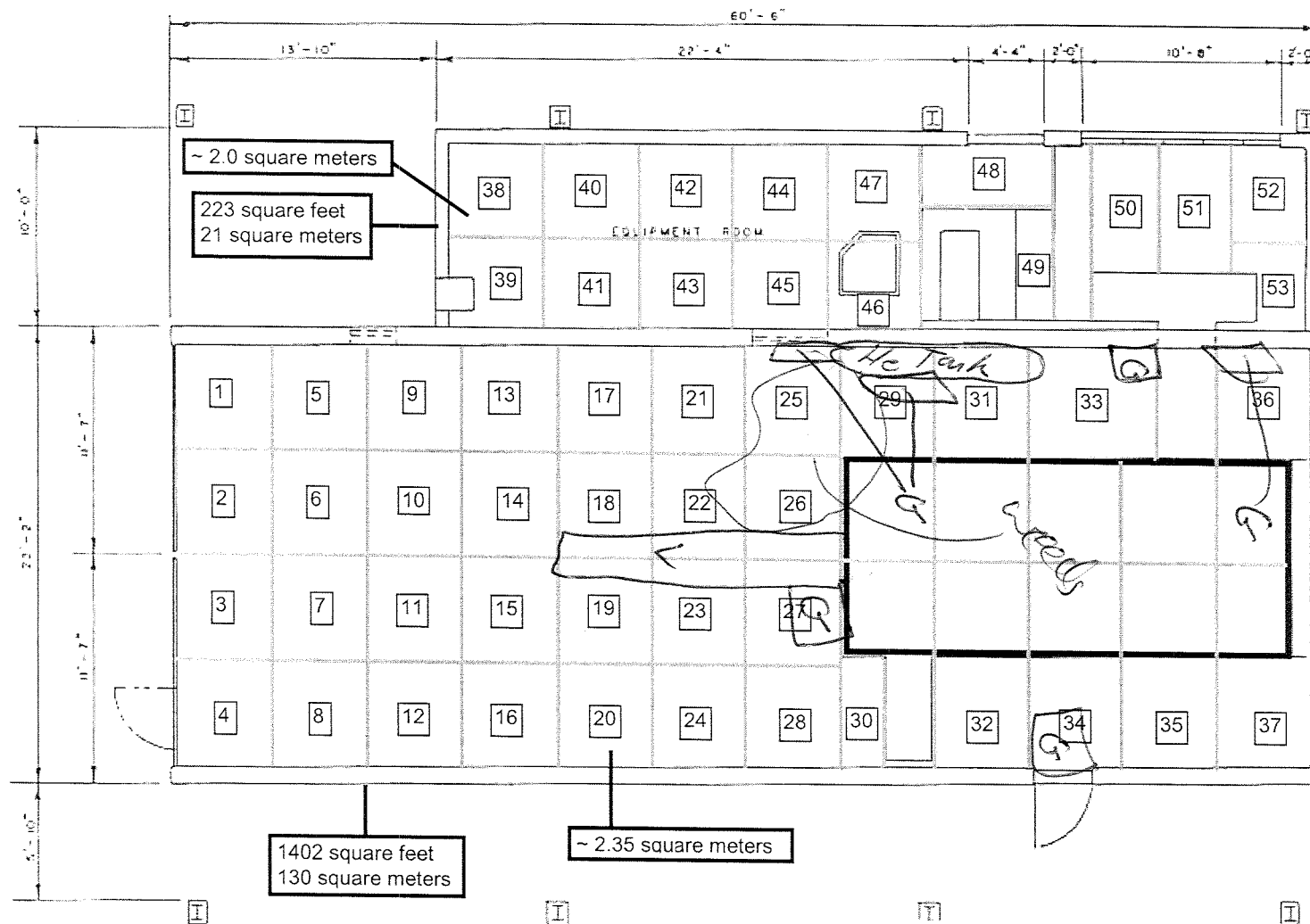
Shelter Number: 221





Shelter Number: 223



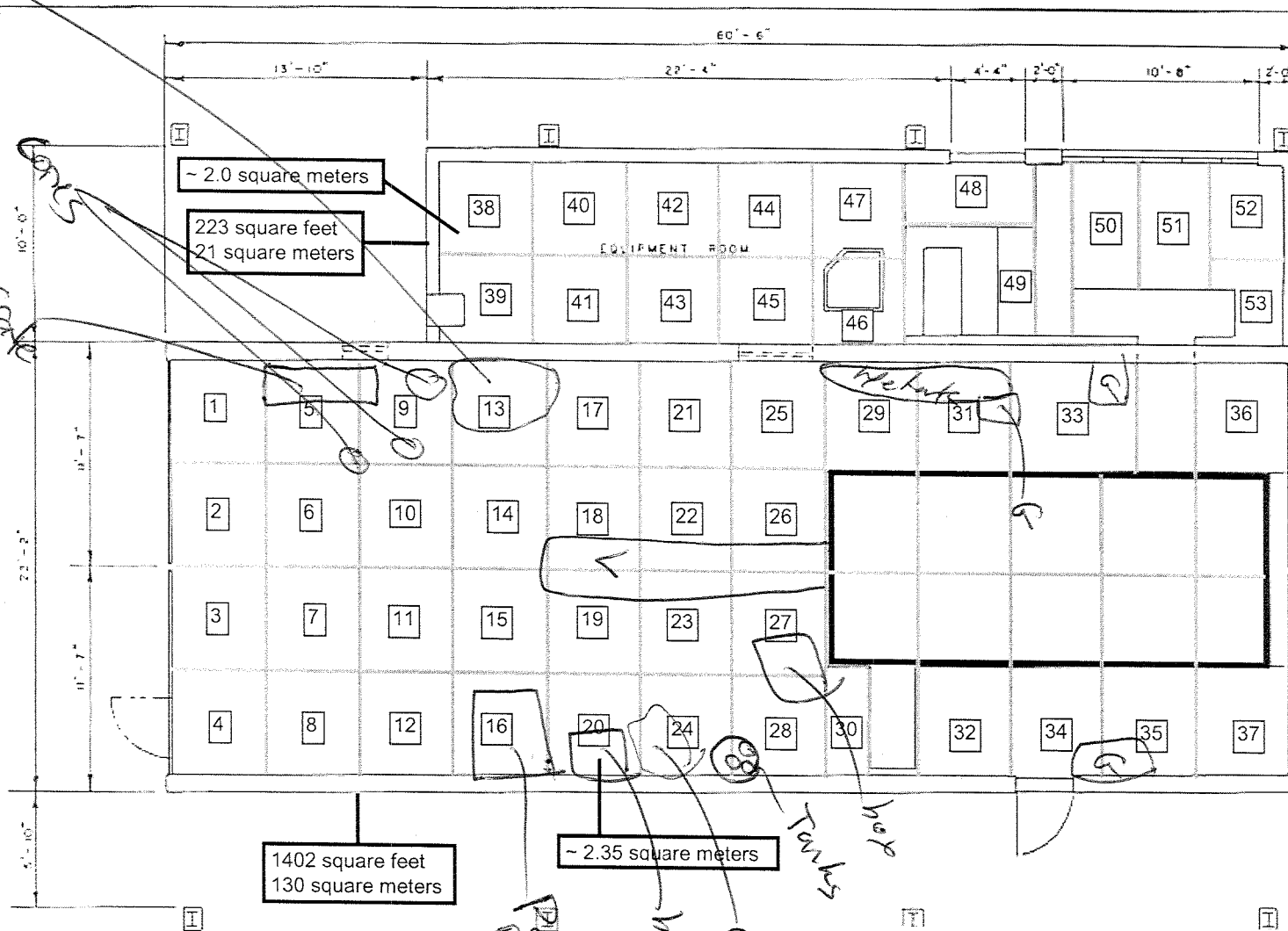


Shelter Number: 224

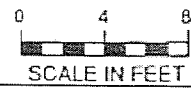
0 4 8
SCALE IN FEET

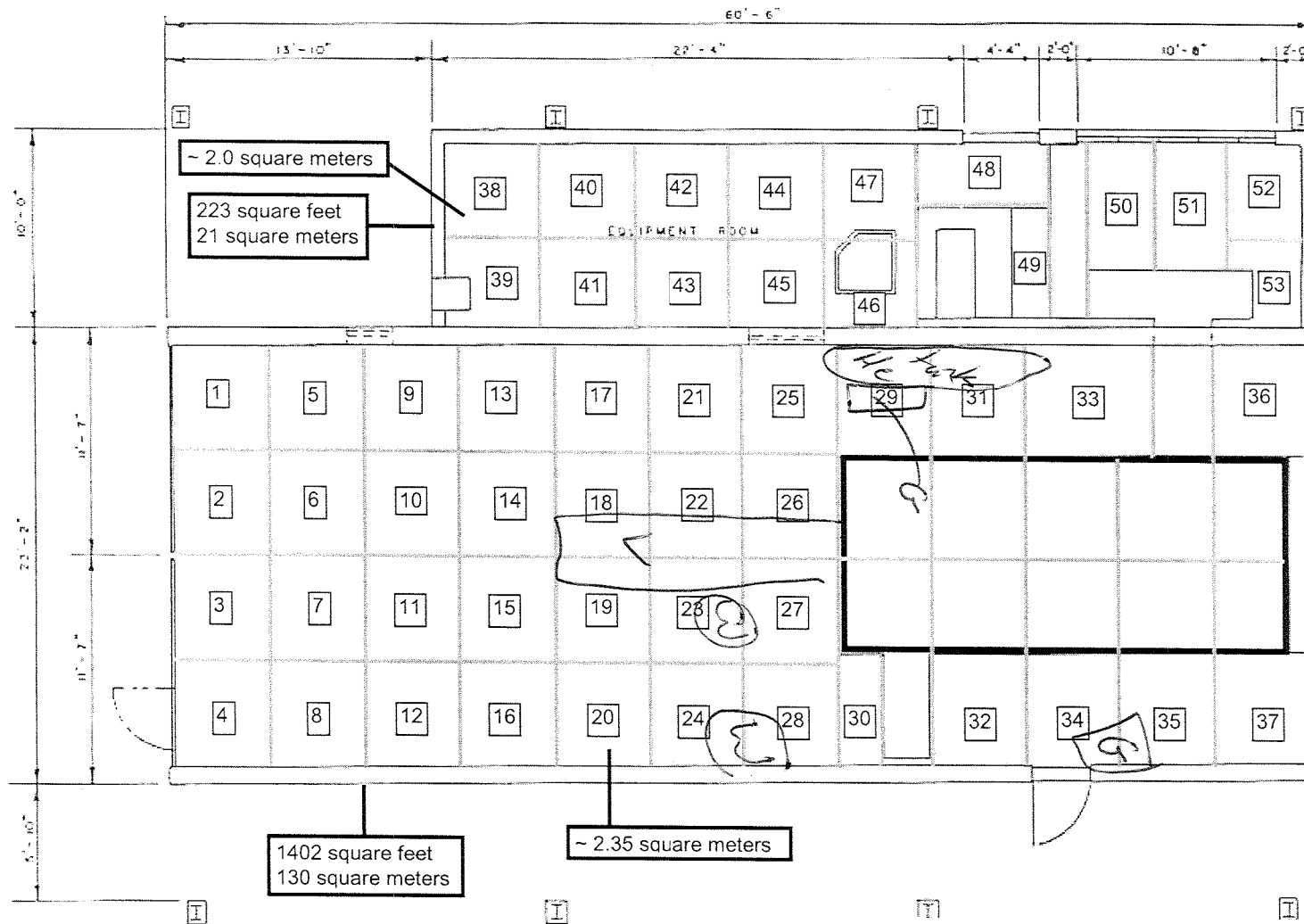
debris

entrance

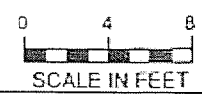


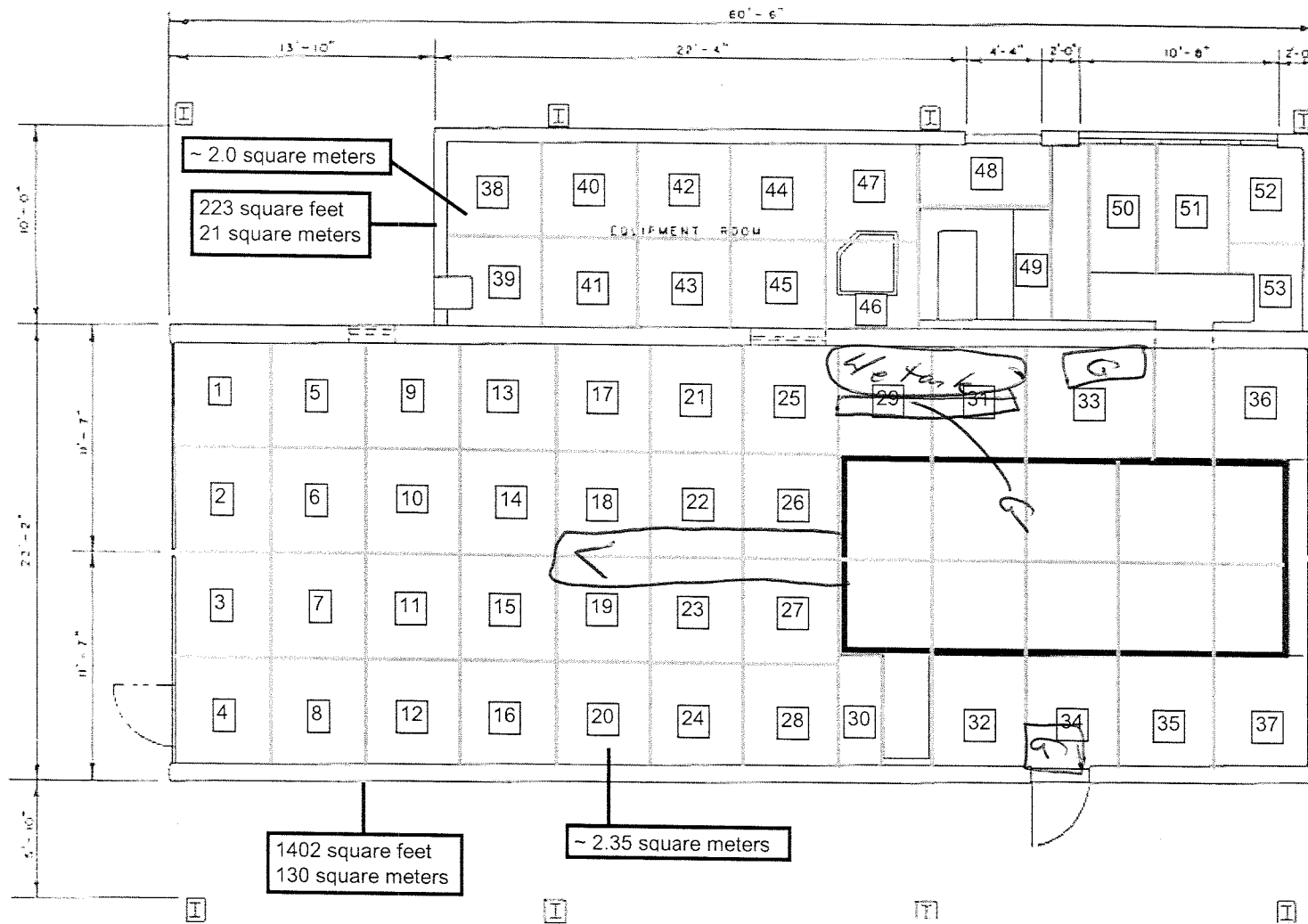
Shelter Number: 225





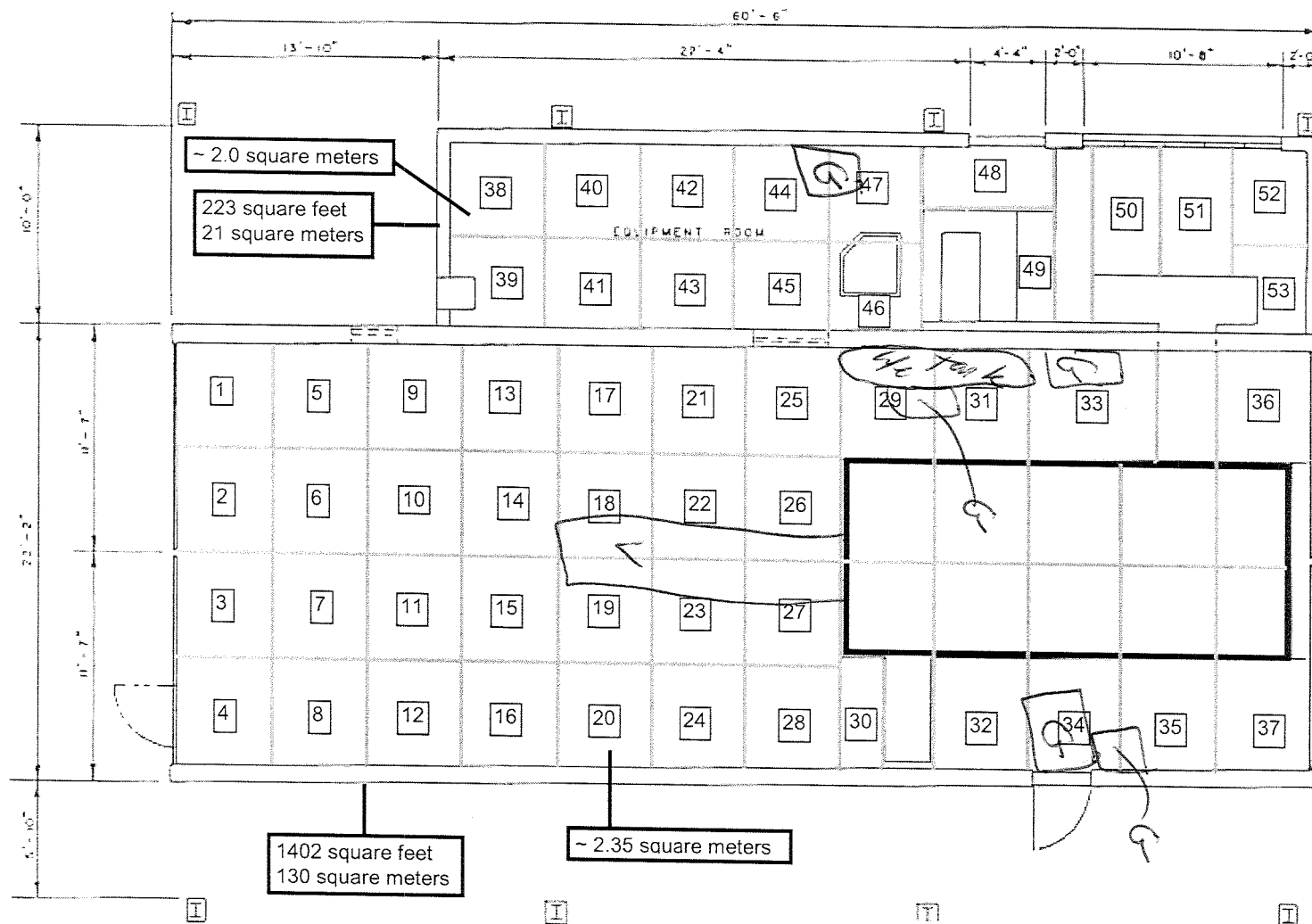
Shelter Number: 226



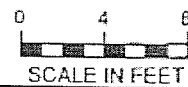


Shelter Number: 227





Shelter Number: 228



BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 14:21 to 14:30

Shelter Number: 301

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1205

2) Meter _____ 2) Probe _____

Cal. Date Cal. Date

Bkgd 805

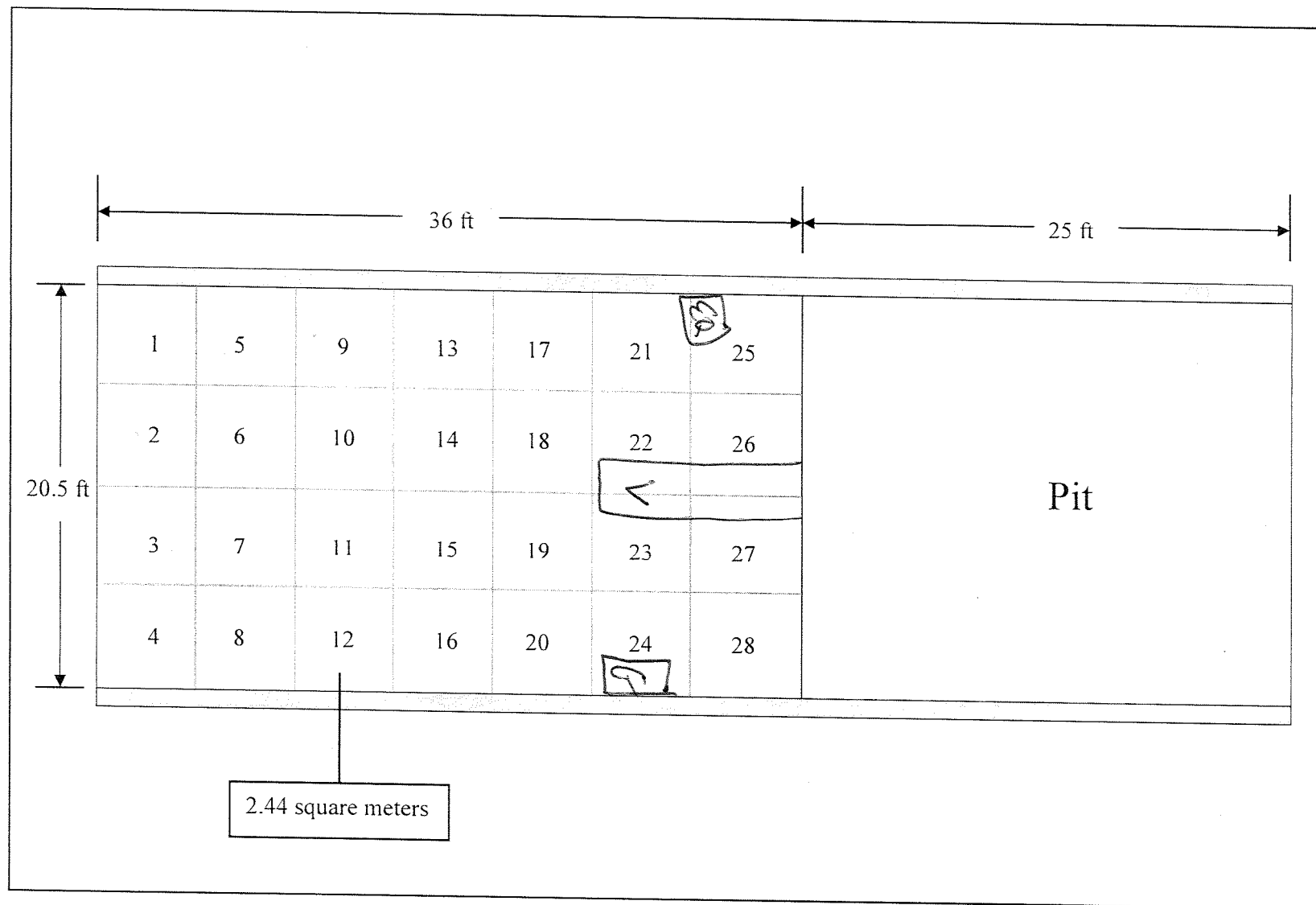
General Findings:

General Findings:
F. Doors open, water in pit, weeds, moss on floor
Floor wet around moss/debris

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



301

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 08 : 26 to 08 : 34

Shelter Number: 302

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
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2049	2049

Bkgd 1171 800-1630

2) Meter 2) Probe

Cal. Date Cal. Date

Bkgd 883 600-1300

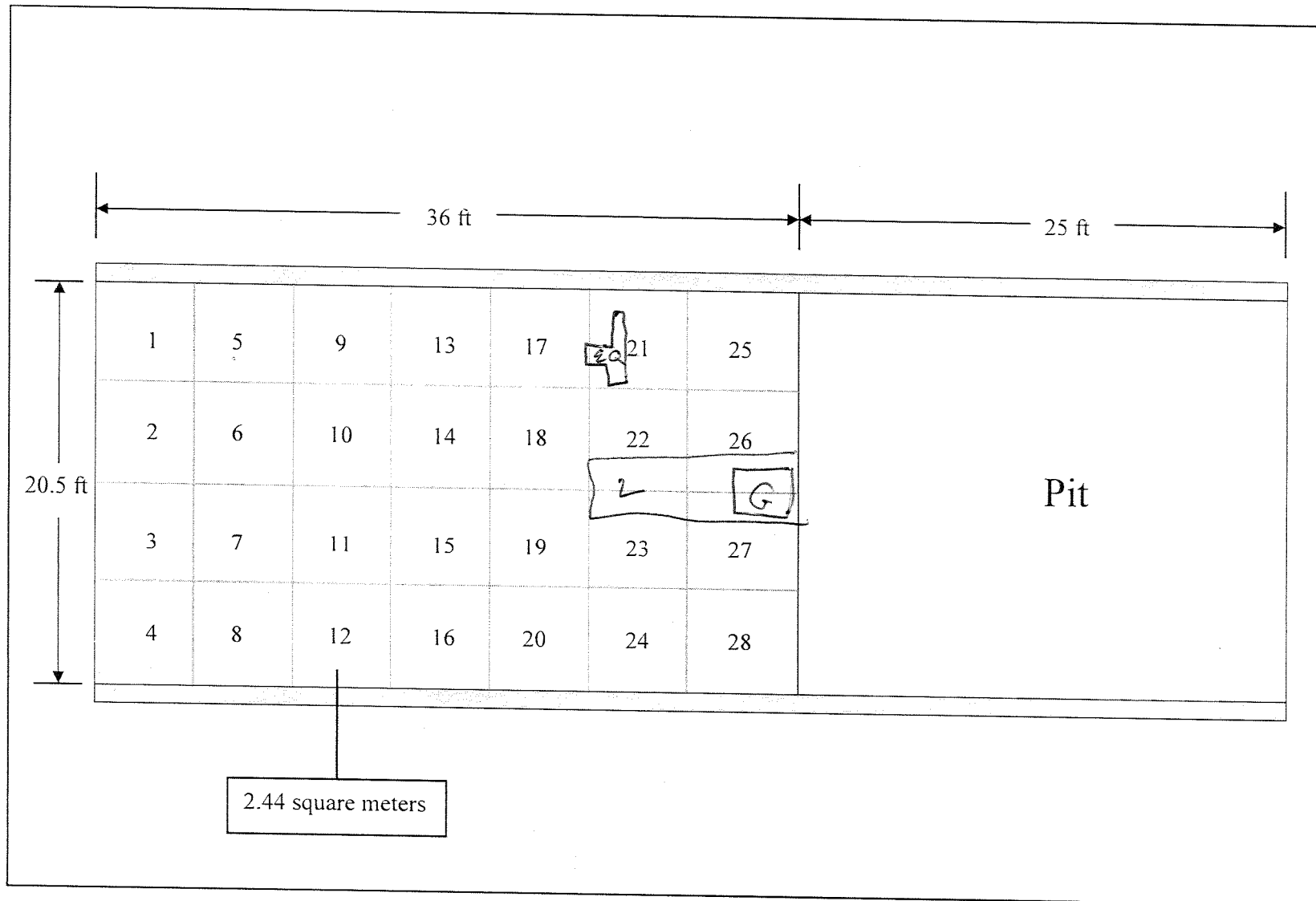
General Findings:

Significant debris, pit full of water, front doors open, floor wet

Specific Findings:

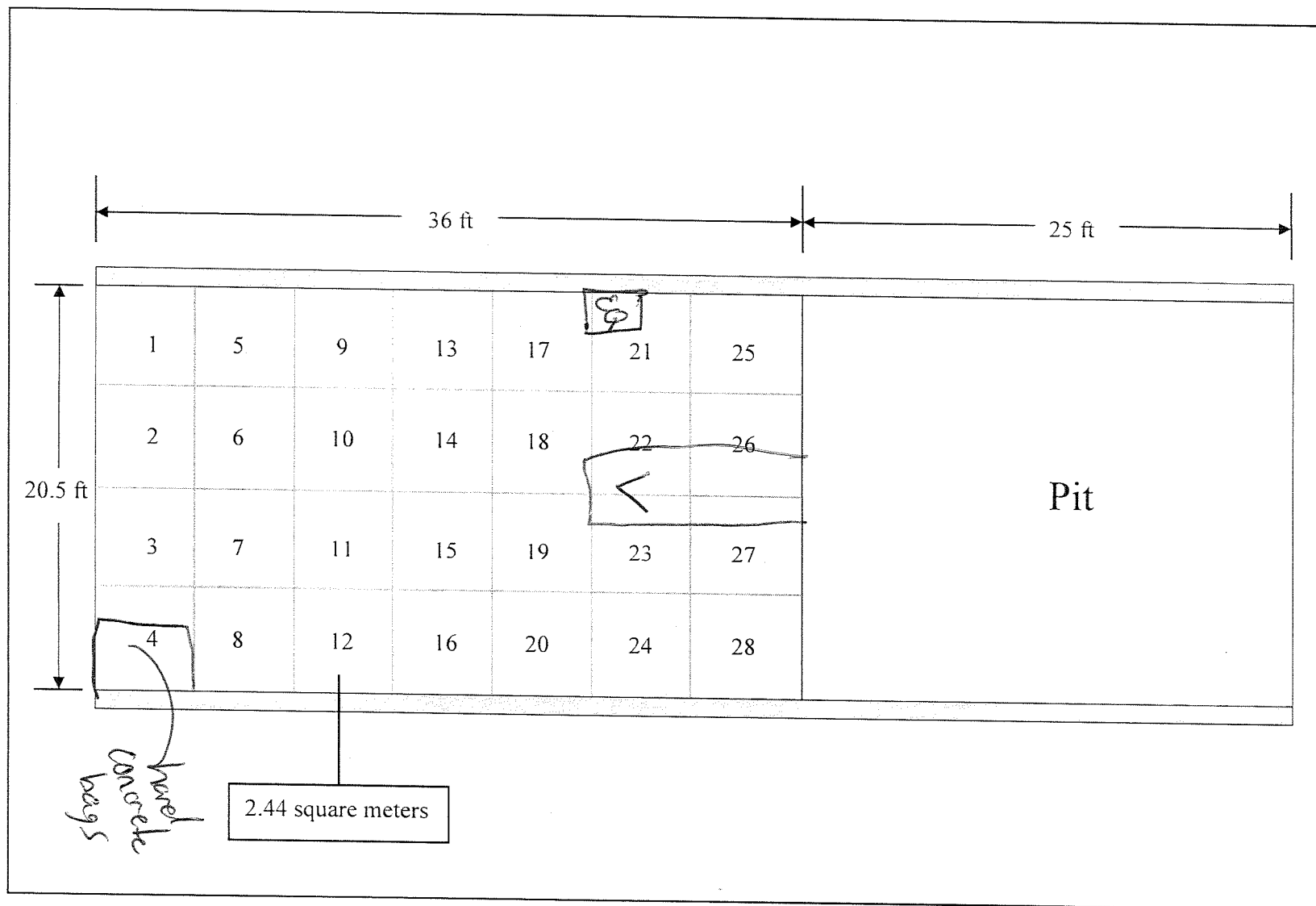
[illegible]

300-Series Shelter (Solid-Fueled) Missiles



302

300-Series Shelter (Solid-Fueled) Missiles



303

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell Harck, Valverde

Survey Time: 08 : 35 to 08 : 43

Shelter Number: 304

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1116

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 874 700-1400

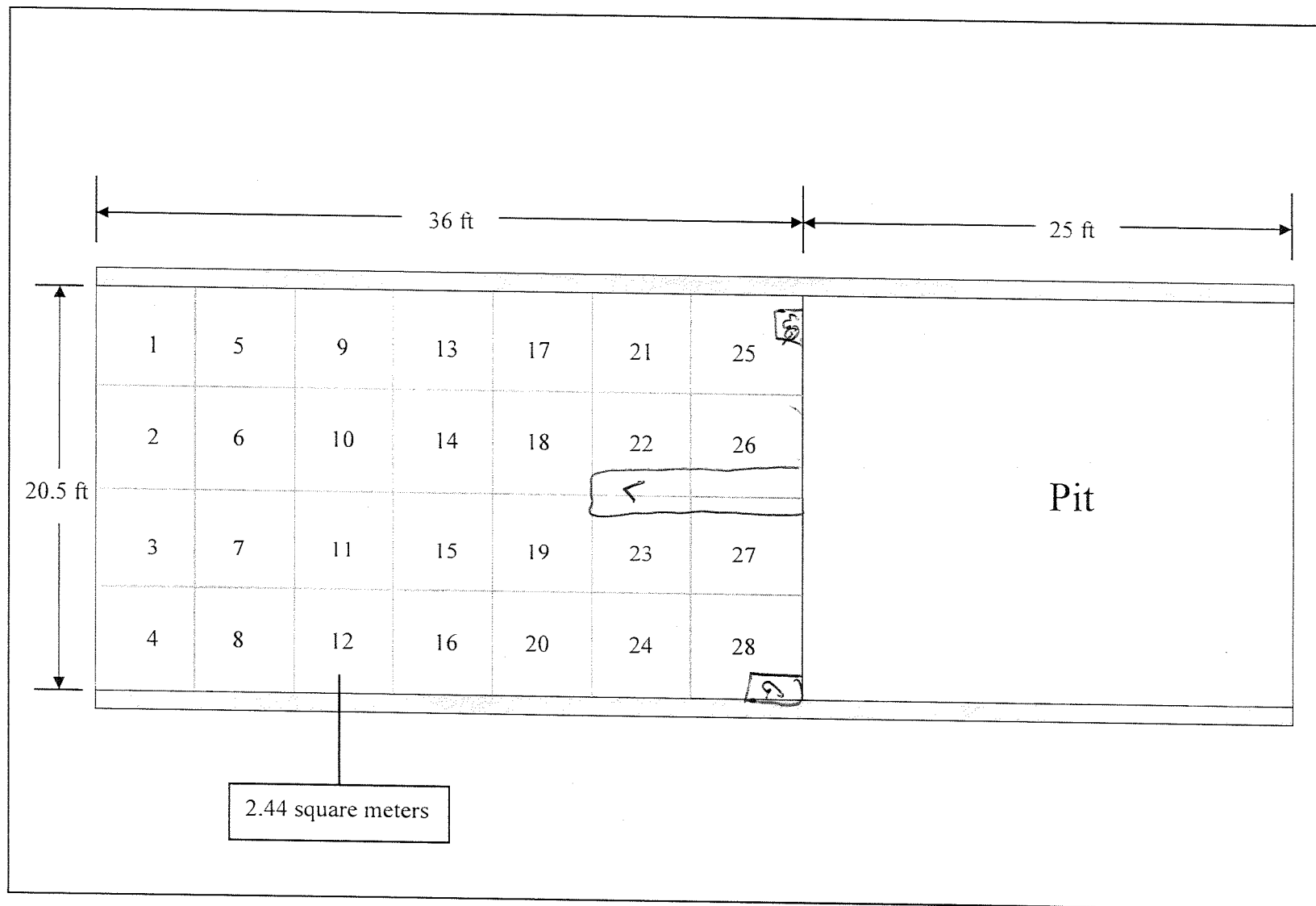
General Findings:

debris, pit full of water, front doors open, floor wet

Specific Findings:

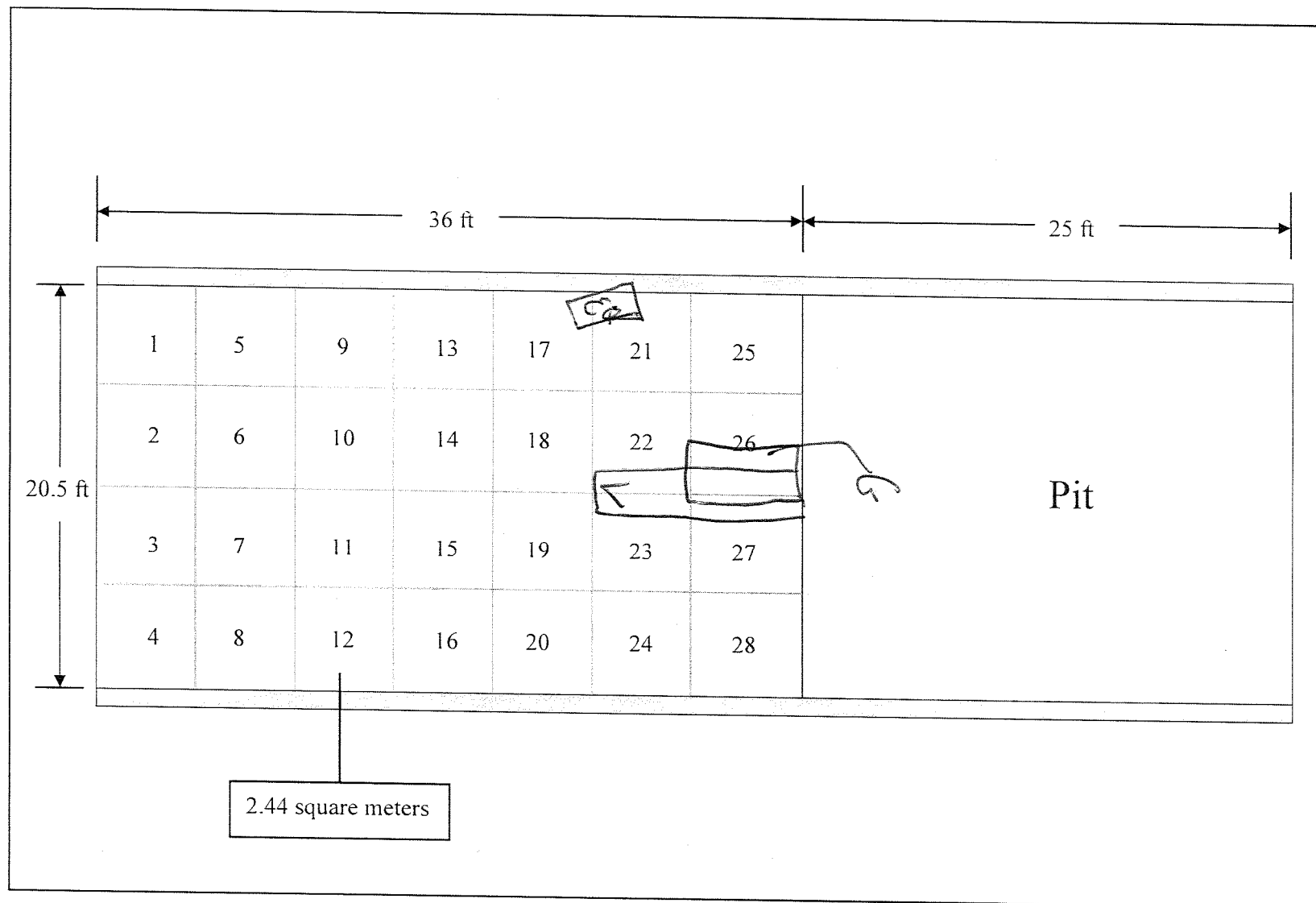
[illegible]

300-Series Shelter (Solid-Fueled) Missiles



304

300-Series Shelter (Solid-Fueled) Missiles



305

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 08 :44 to 08:54

Shelter Number: 306

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1990	1990
1991	1991
1992	1992
1993	1993
1994	1994
1995	1995
1996	1996
1997	1997
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2138	2138
2139	2139

Bkgd 1342

2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
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Bkgd 838 554-1473

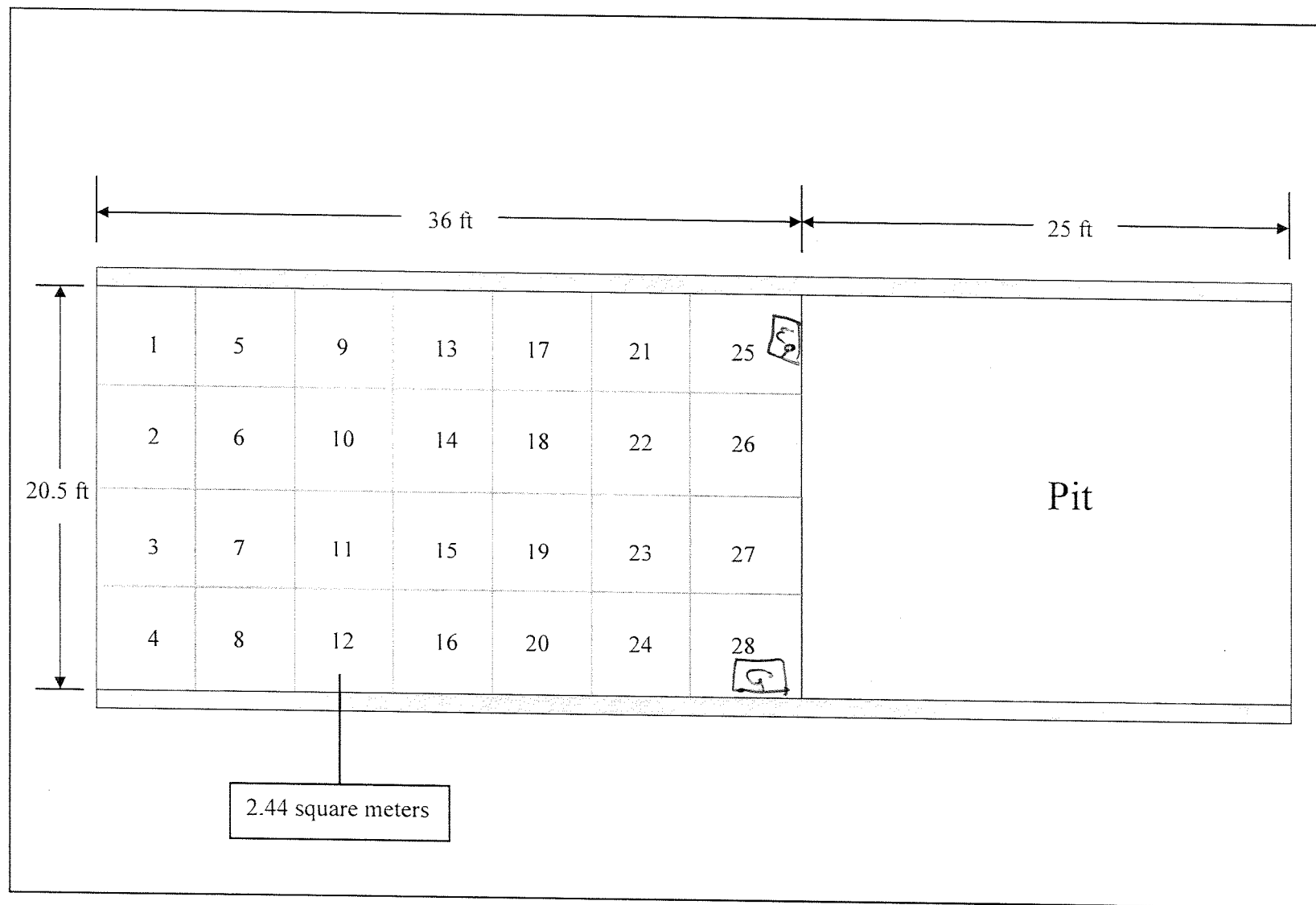
General Findings:

front doors open, water in pit, debris, floor wet

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



306

Survey Date: 5 Jun Survey Personnel: Hubbell, ^{Harceh}~~Harceh~~, Valverde

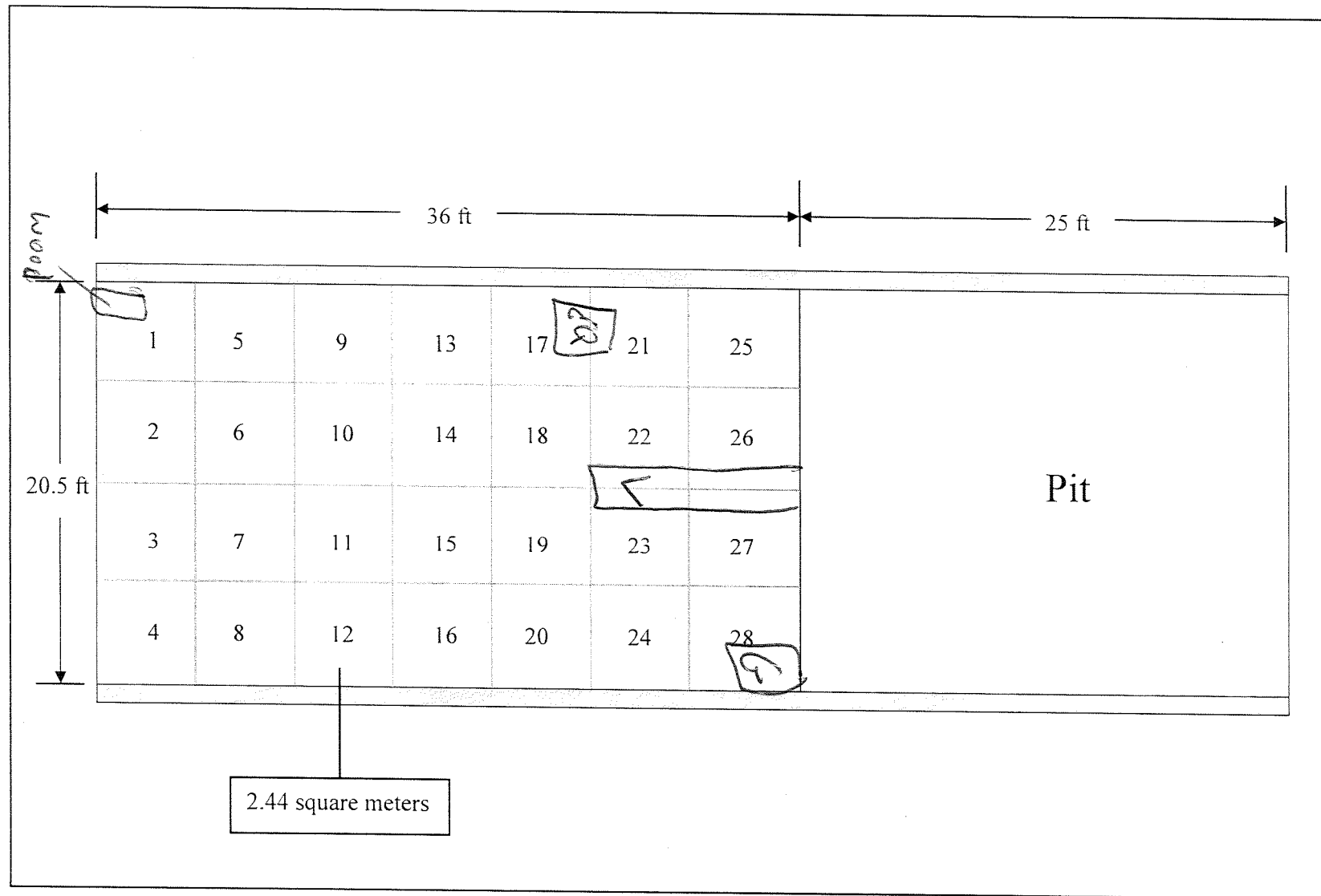
Shelter Number: 307

Bkgd 962

F. Doors open, debris, water in pit, floor wet

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Marco Valverde

Survey Time: 08 55 to 09 :07

Shelter Number: 308

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
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2049	2049

Bkgd 1402

2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
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Bkgd 982

555-2105 over a piece of ~~asphalt~~ debris

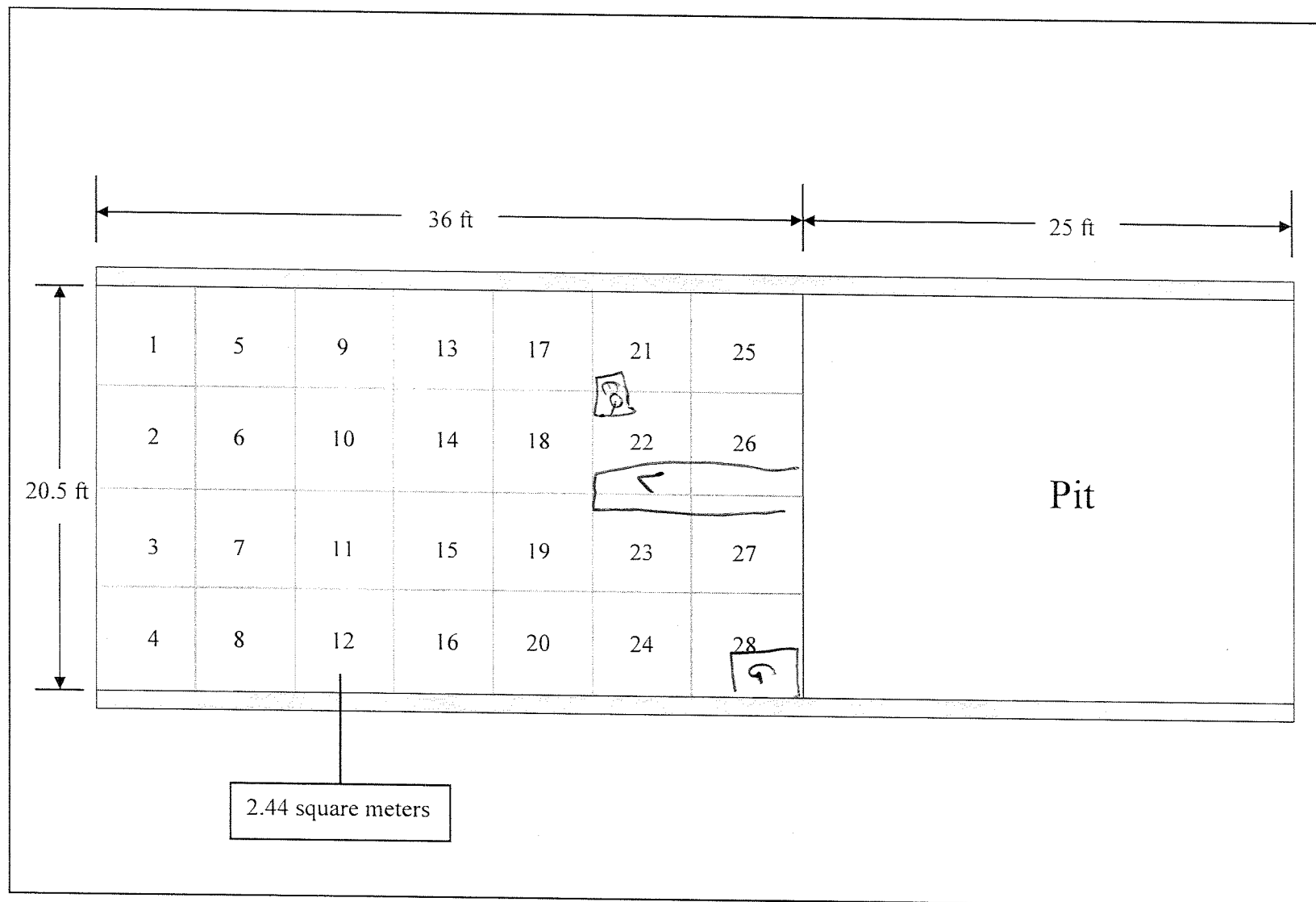
General Findings:

pitiwater, debris under launcher, floor dry except along walls/debris

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



308

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 13:53 to 14:00

Shelter Number: 309

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1297

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 930

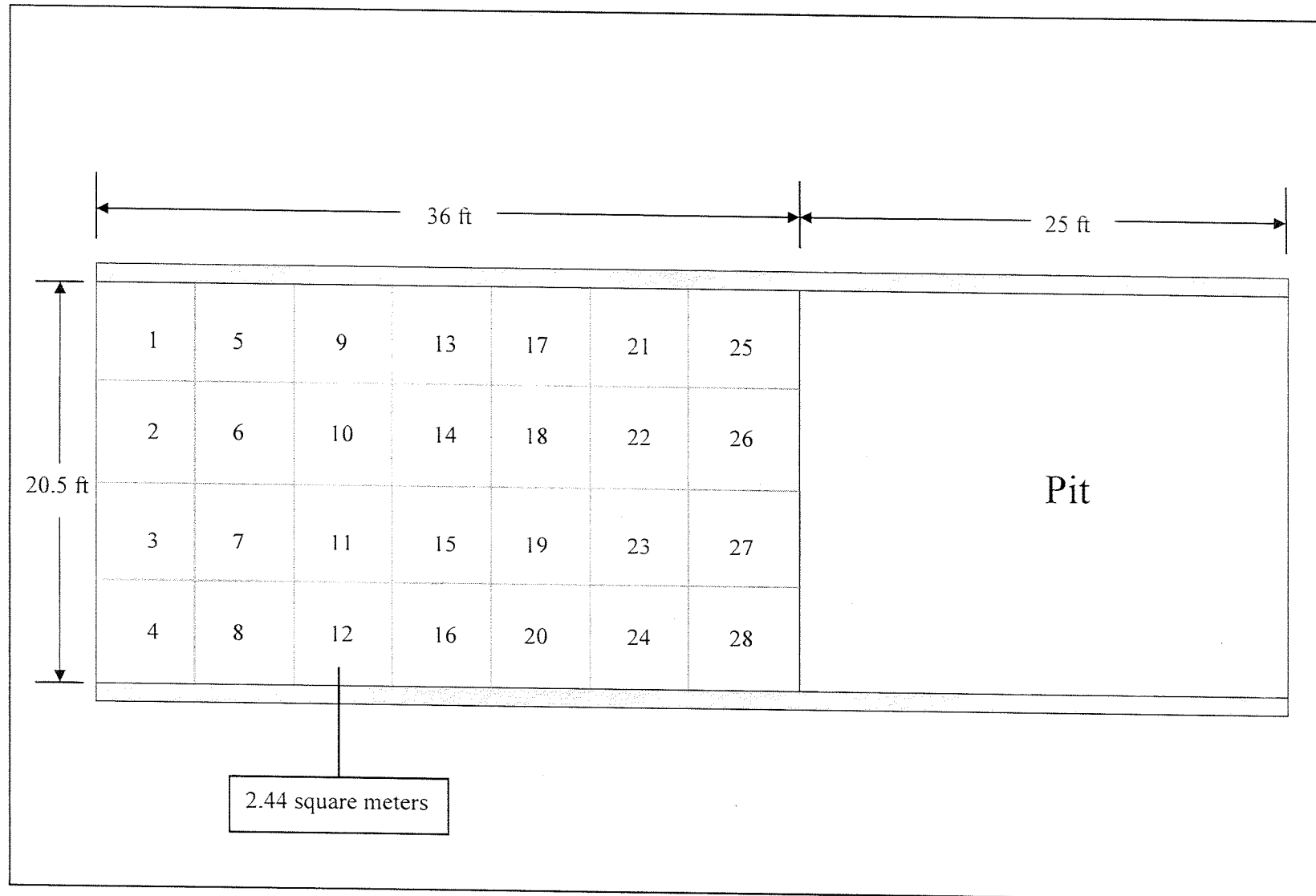
General Findings:

F. Doors open, water in pit, guage in pit shows 1000 psi
Debris, floor wet under debris

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



309

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell Harbeck Valverde

Survey Time: 09:09 to 09:17

Shelter Number: 310

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1212

2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
1908	1908
1909	1909
1910	1910
1911	1911
1912	1912
1913	1913
1914	1914
1915	1915
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1918	1918
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2049	2049

Bkgd 833

General Findings:

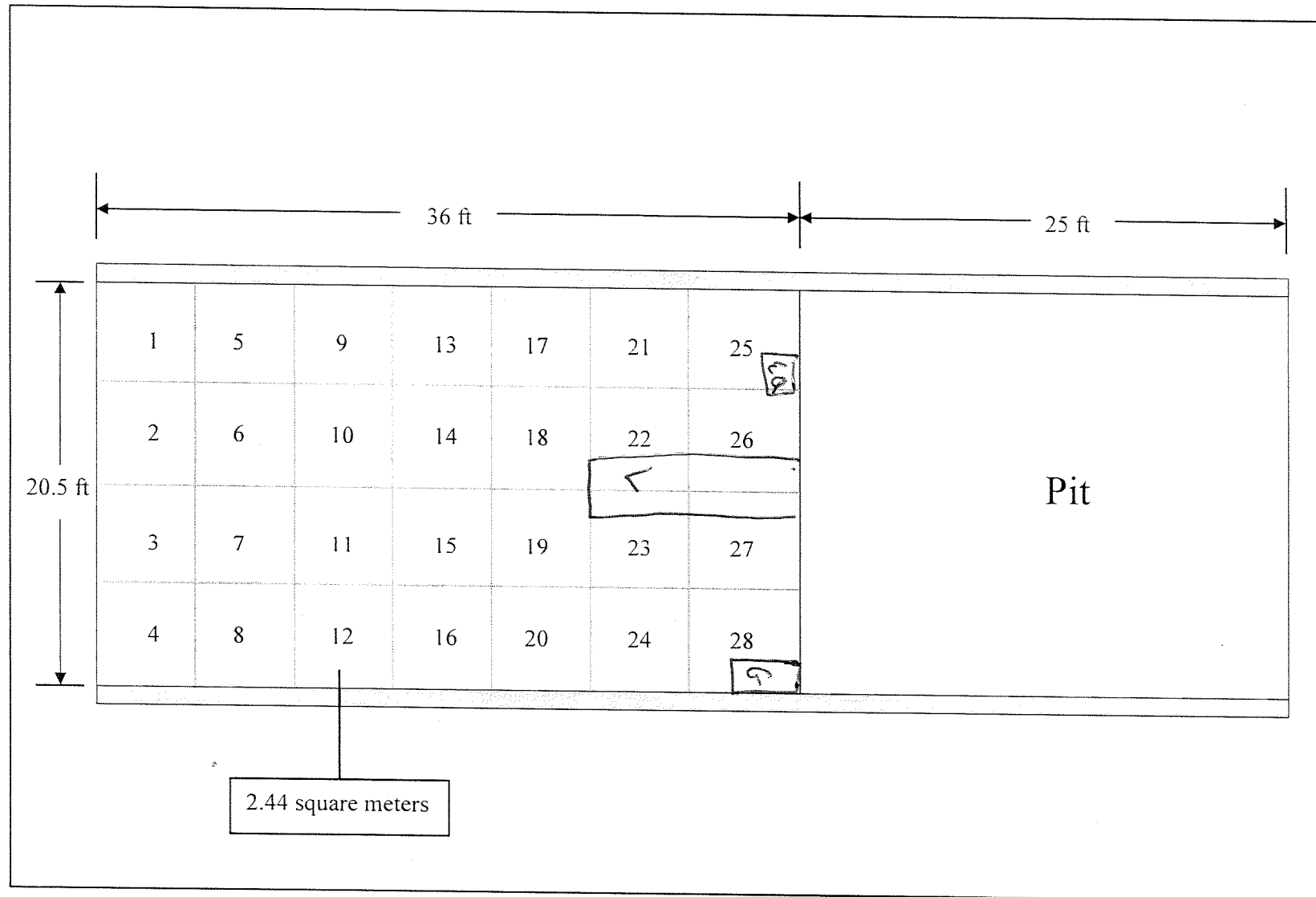
front doors open, floor wet, water in pit, debris

noticed that gauge input reads 1600 psi

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



310

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harzeh, Valverde

Survey Time: 13:41 to 13:52

Shelter Number: 311

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1373

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 840

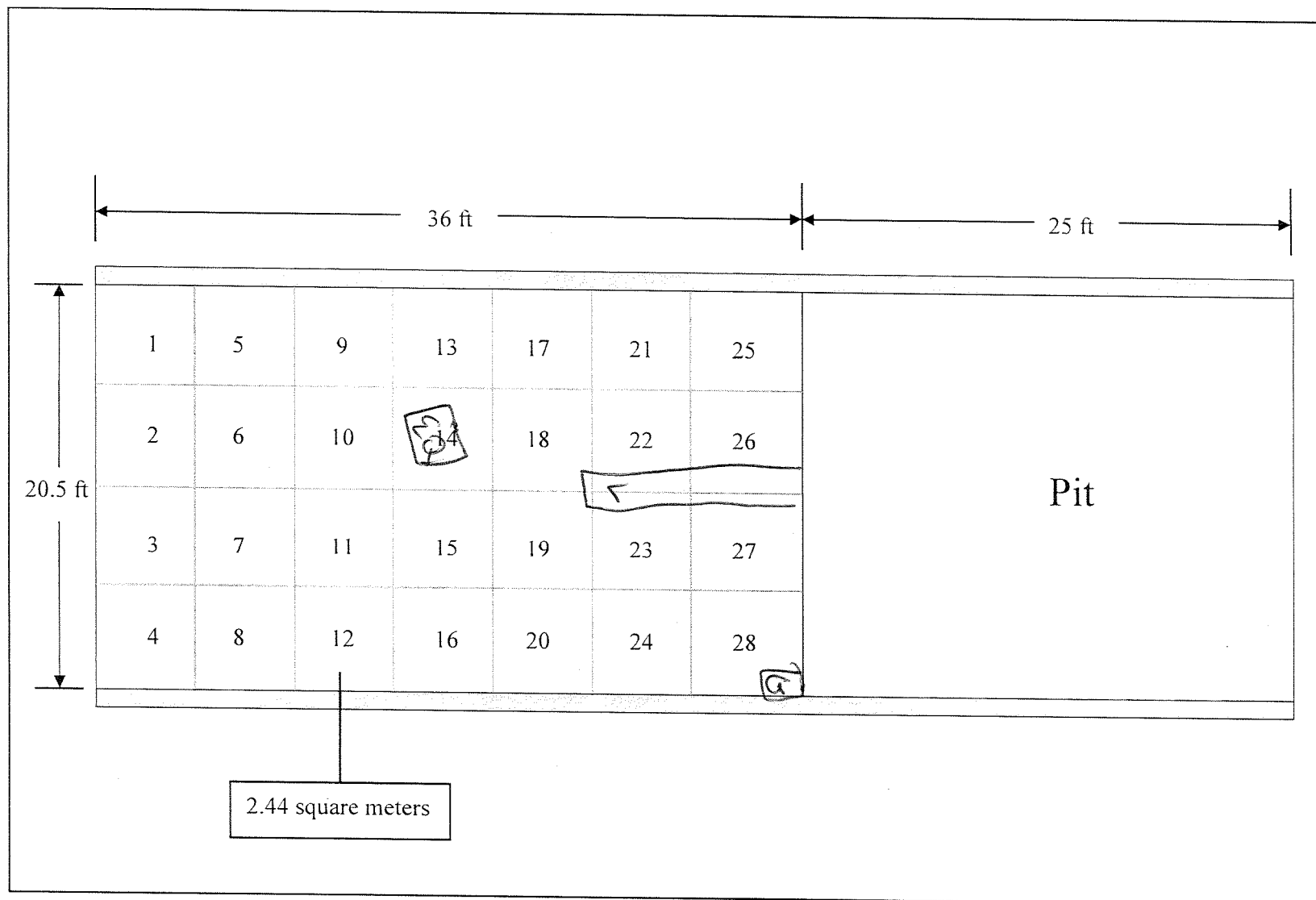
General Findings:

8 Black drum, 1 yellow drum; open ones appear to have normal trash.
All located in front near doors
F. Doors open, debris, water in pit, floor wet

Specific Findings:

[illegible]

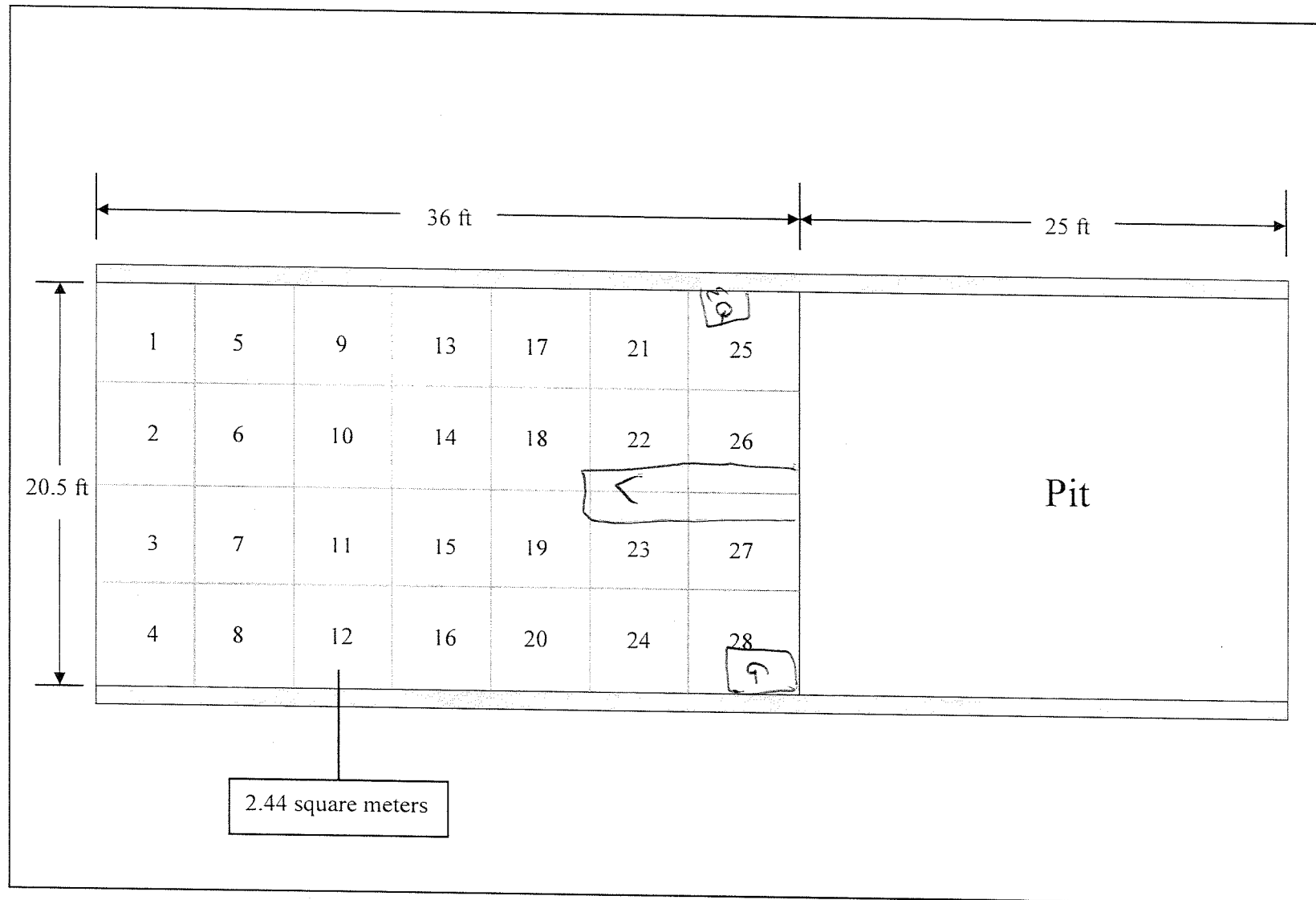
300-Series Shelter (Solid-Fueled) Missiles



311

451

300-Series Shelter (Solid-Fueled) Missiles



312

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Habbell, Marcek, Valverde

Survey Time: 13:33 to 13:41

Shelter Number: 313

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1534

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1078

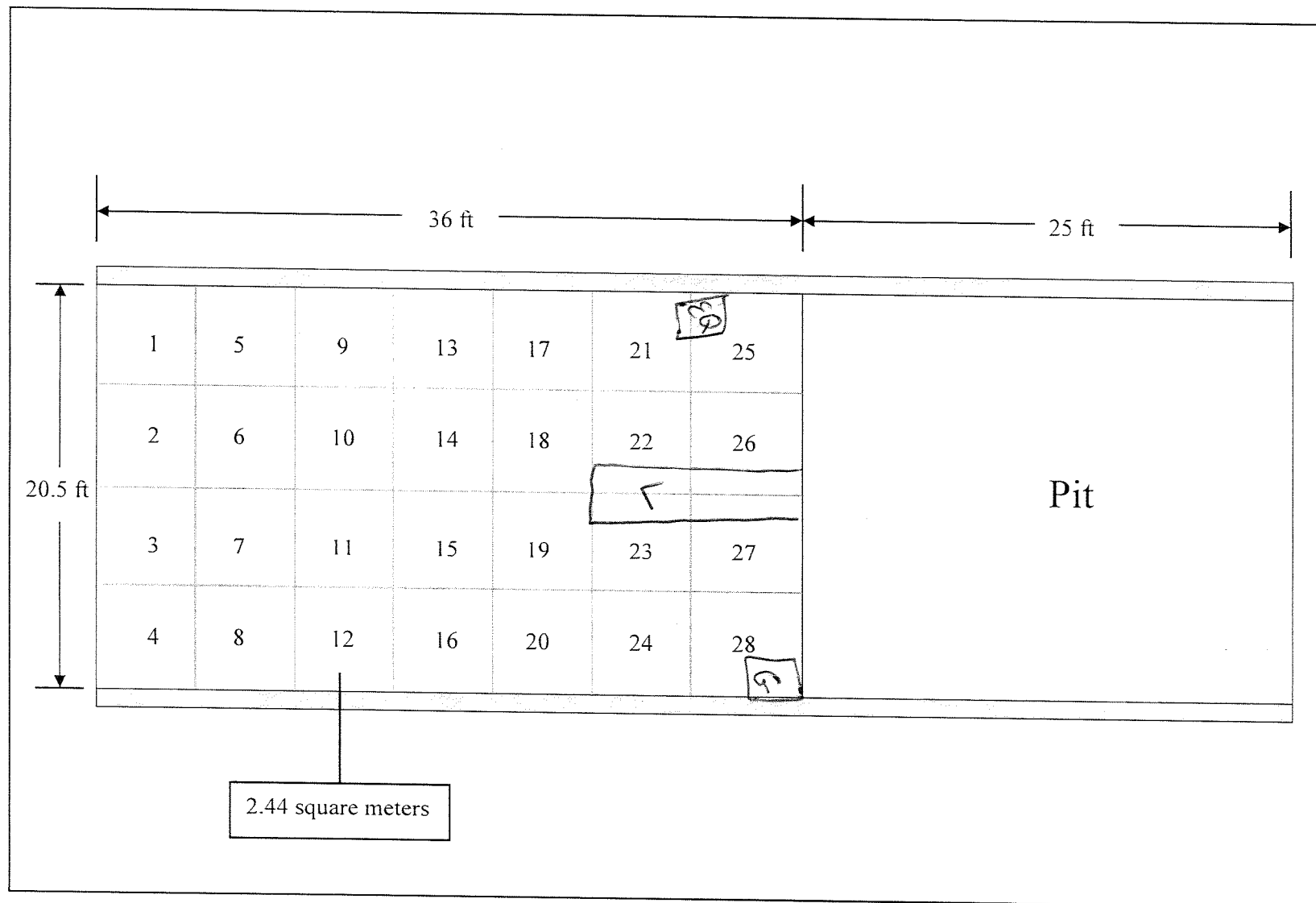
General Findings:

F. Doors open, water in pit, Debris / weeds - Floor wet

Specific Findings:

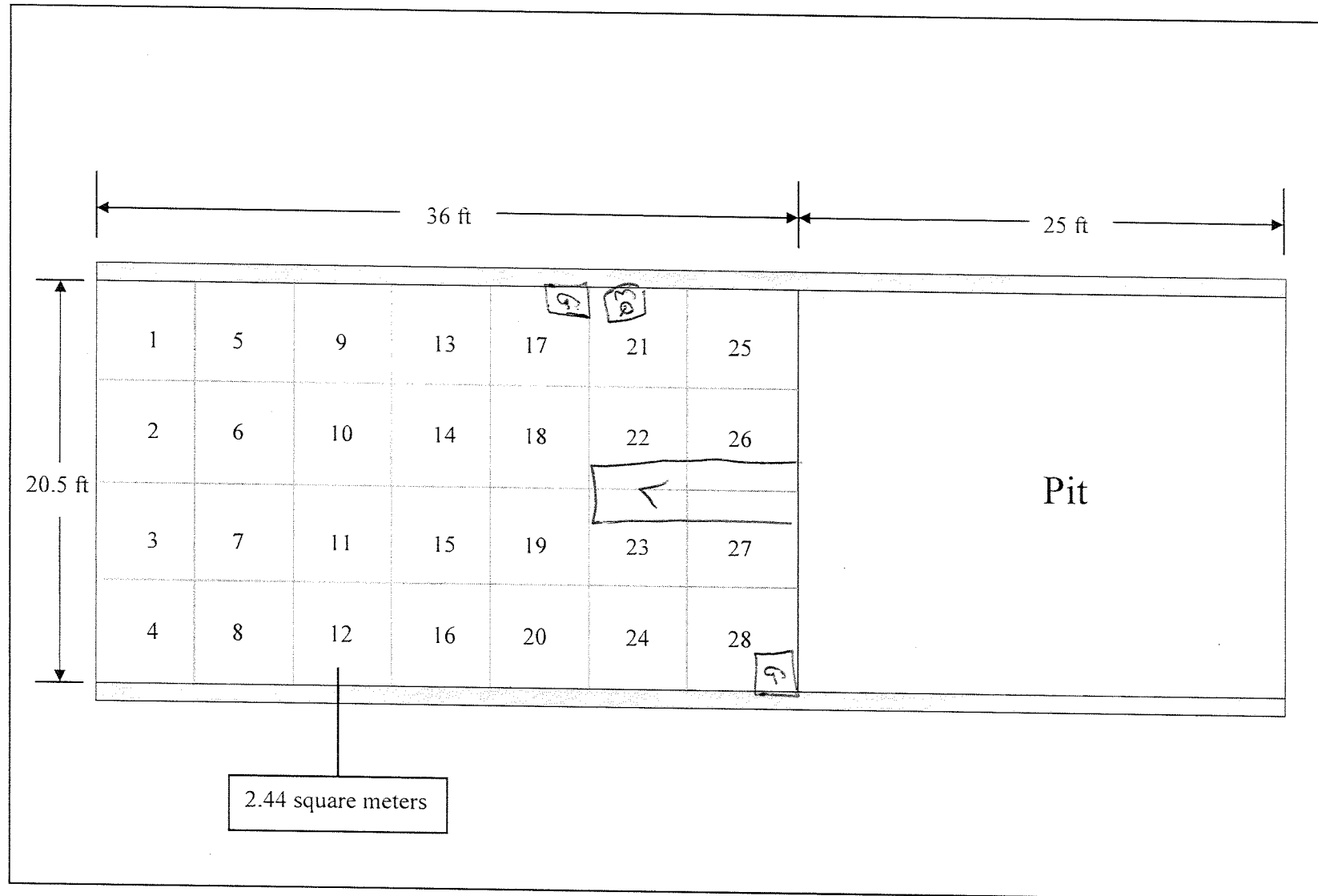
[illegible]

300-Series Shelter (Solid-Fueled) Missiles



313

300-Series Shelter (Solid-Fueled) Missiles



314

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Marceh, Valverde

Survey Time: 13:25 to 13:33

Shelter Number: 315

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 130g

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1004

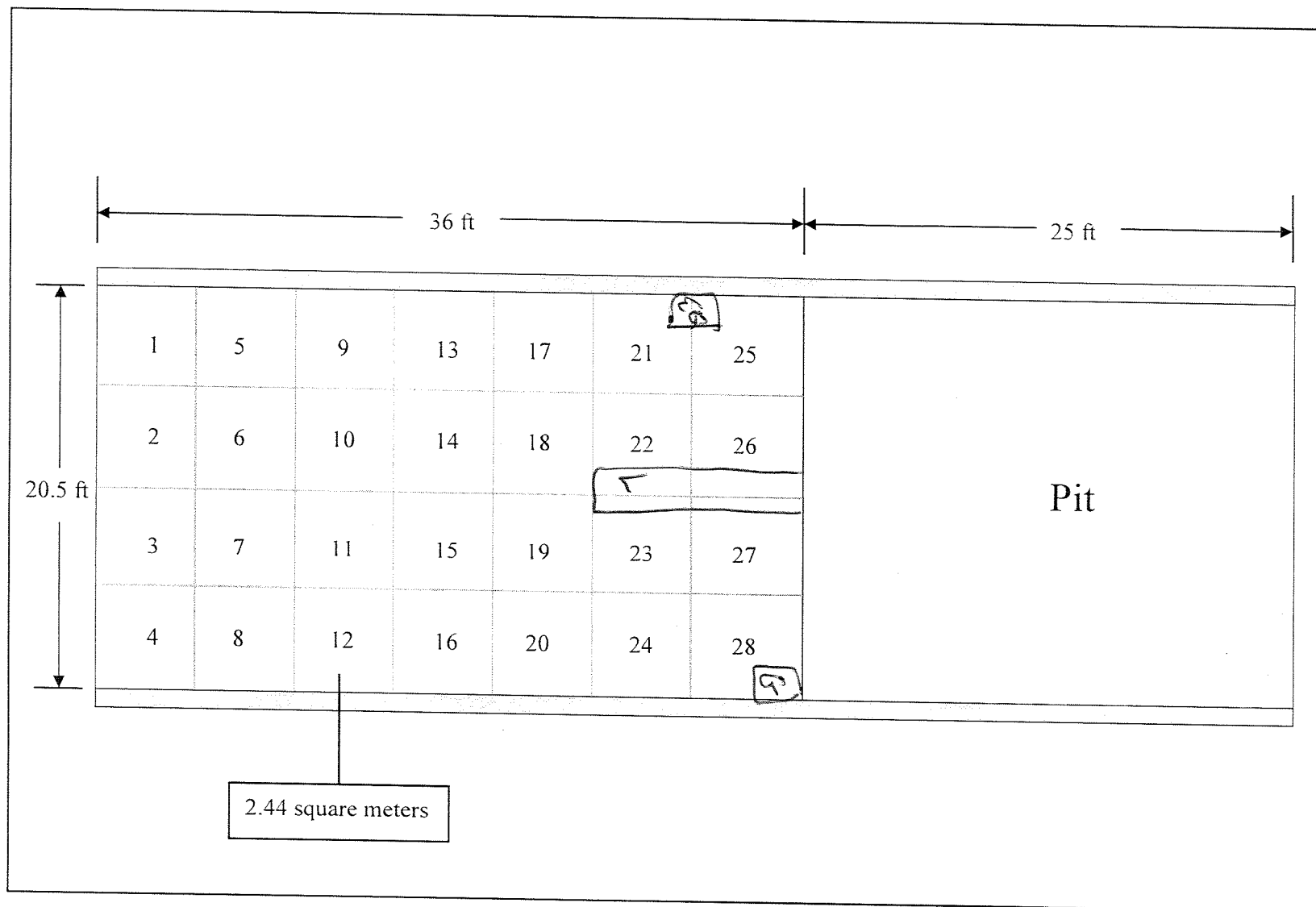
General Findings:

F. Poors open, water in pit, debris/weeds, floor wet under debris.

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



315

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Marcek, Valverde

Survey Time: 09:40 to 09:50

Shelter Number: 314

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____

Cal. Date _____

Bkgd 1307

↑ 1900

2) Meter _____ 2) Probe _____

Cal. Date _____

Cal. Date _____

Bkgd 959

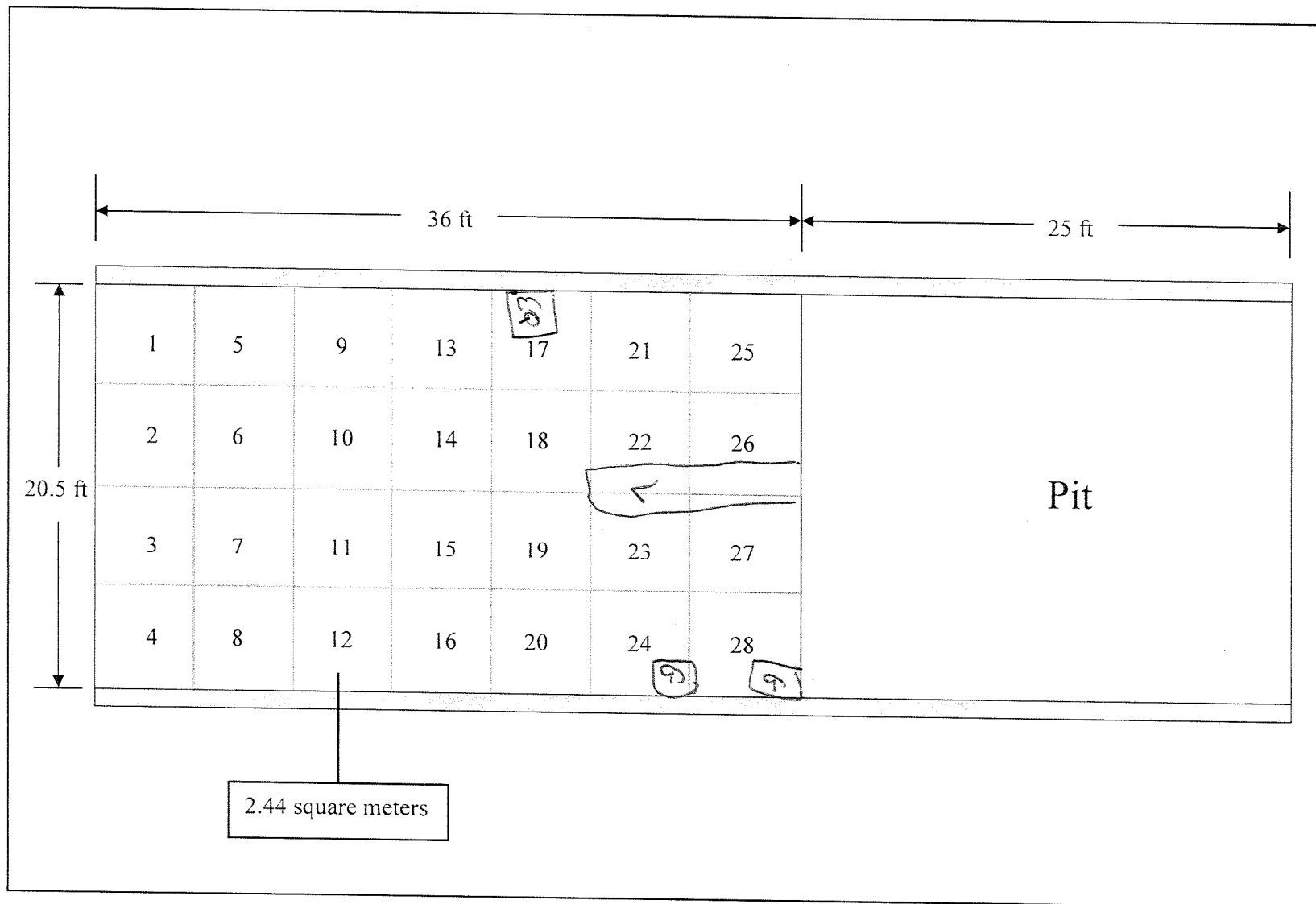
General Findings:

F. Doorsagen, floor wet, water in pit, debris

Specific Findings:

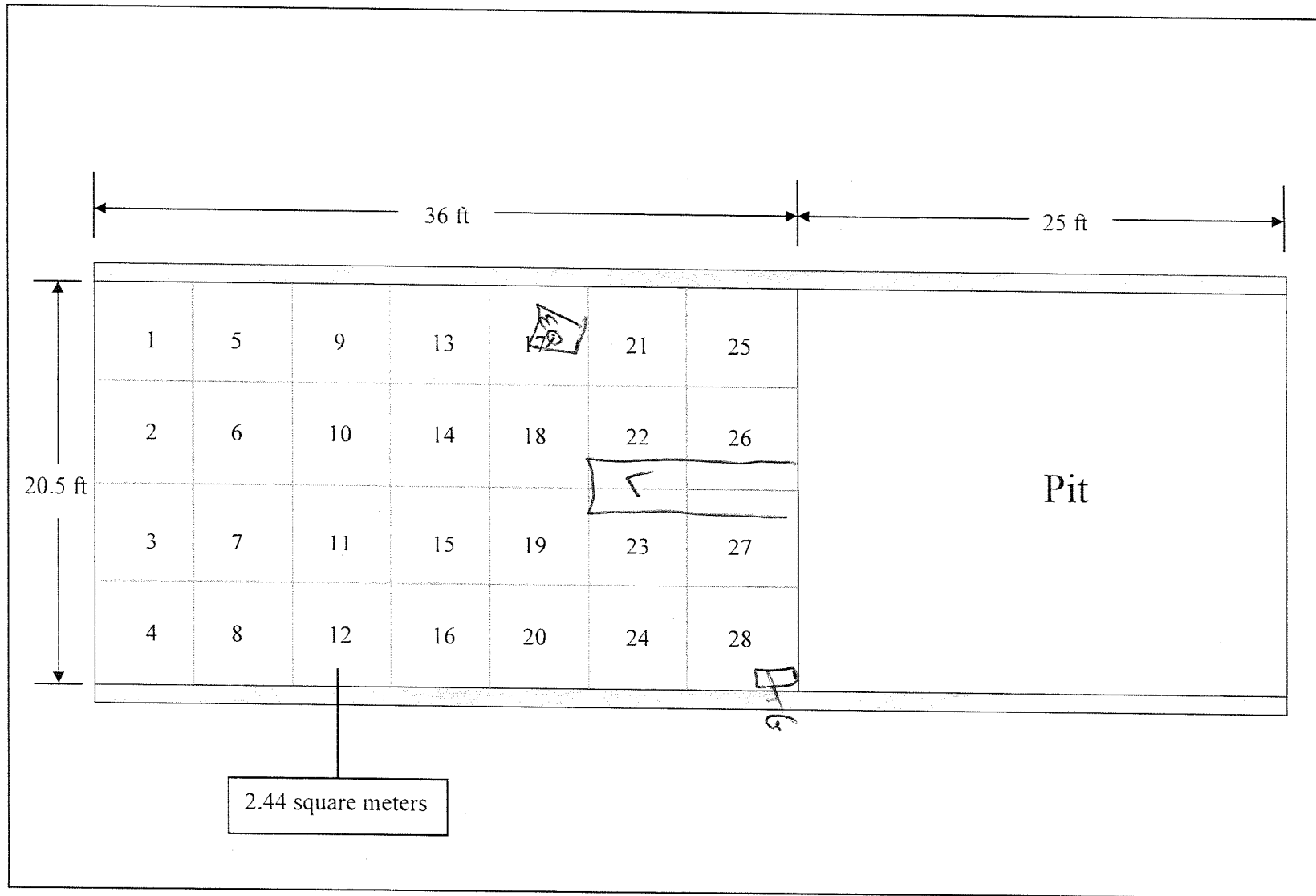
[illegible]

300-Series Shelter (Solid-Fueled) Missiles



316

300-Series Shelter (Solid-Fueled) Missiles



317

Survey Date: 5 Jun Survey Personnel: Hubbell, Marcek, Valverde

Shelter Number: 318

Cal. Date _____ Cal. Date _____

Cal. Date _____ Cal. Date _____

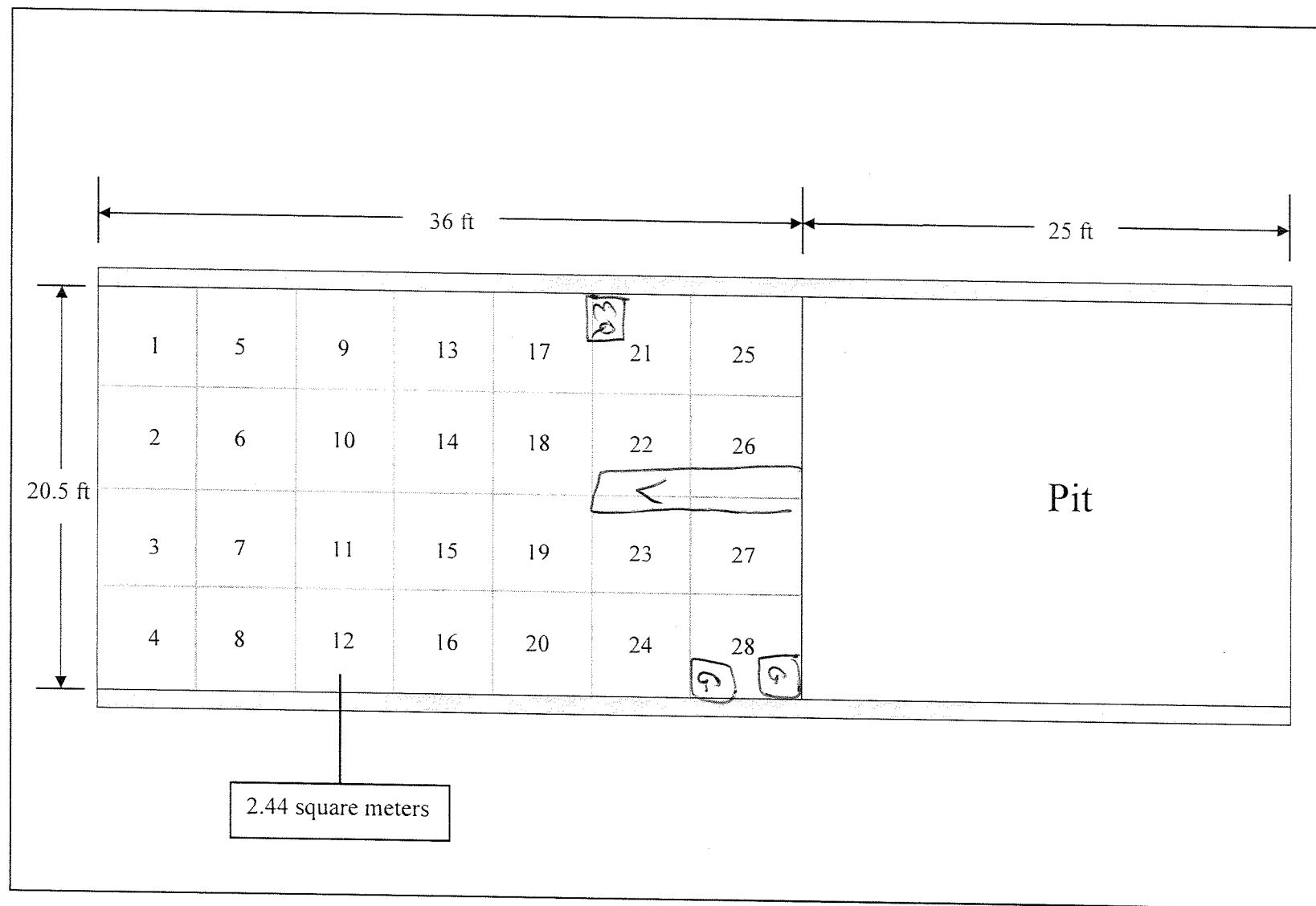
Bkgd 821

F. Doors open, debris, floor wet, weeds under launcher, water in pit.

[illegible]

8/3

300-Series Shelter (Solid-Fueled) Missiles



318

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 11:35 to 11:43

Shelter Number: ~~324~~ 319

Survey Instruments: 1) Meter 1) Probe

Cal. Date _____ Cal. Date _____

Bkgd 1229

2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
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Bkgd 887

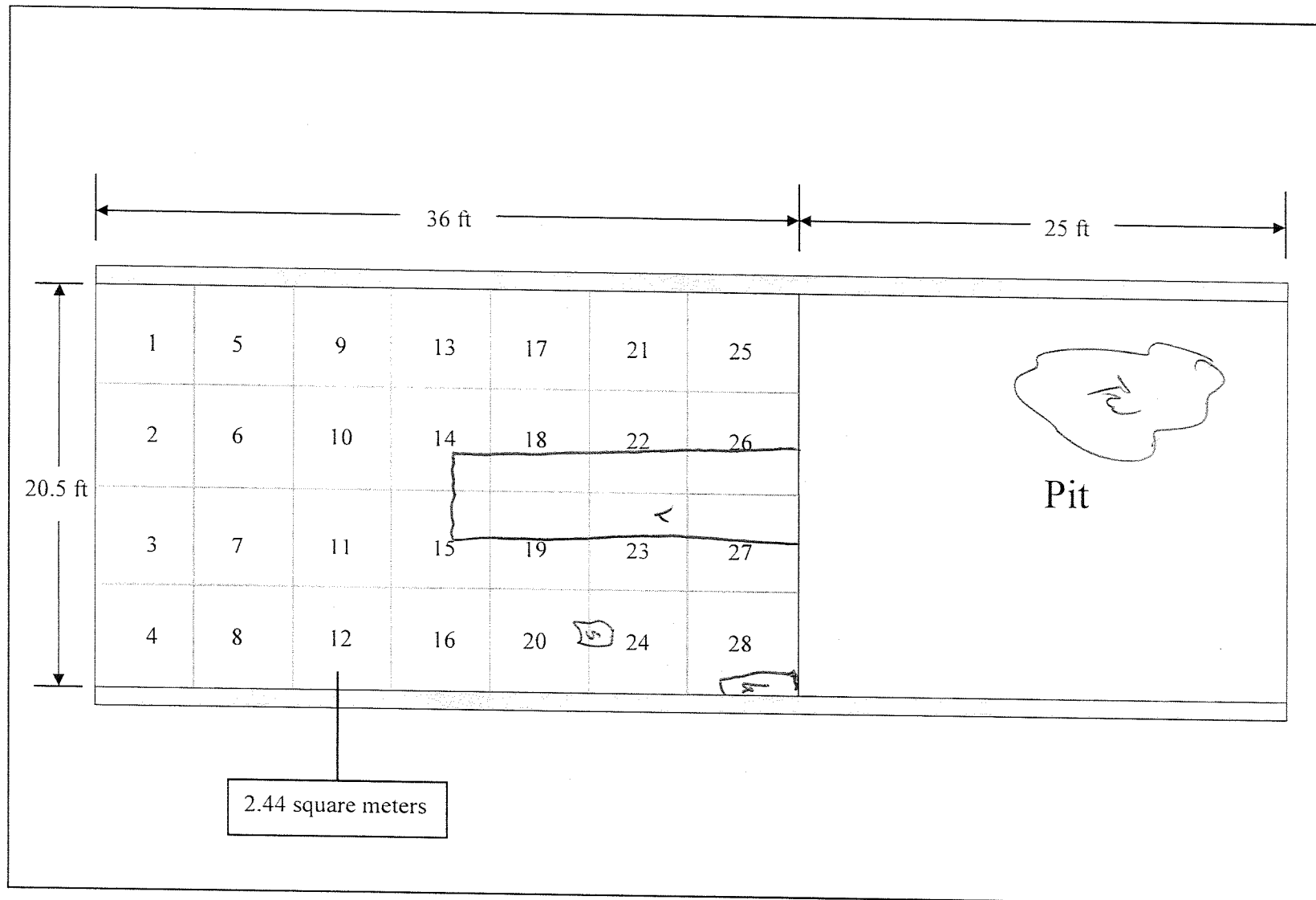
General Findings:

FRONT DOORS OPEN; MODERATE DIRT/DEBRIS; WATER IN PIT (IRUNG);
HYD PLANT OKs; FLOOR DAMP

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



319

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Shelter Number: 320

1900 on ledge

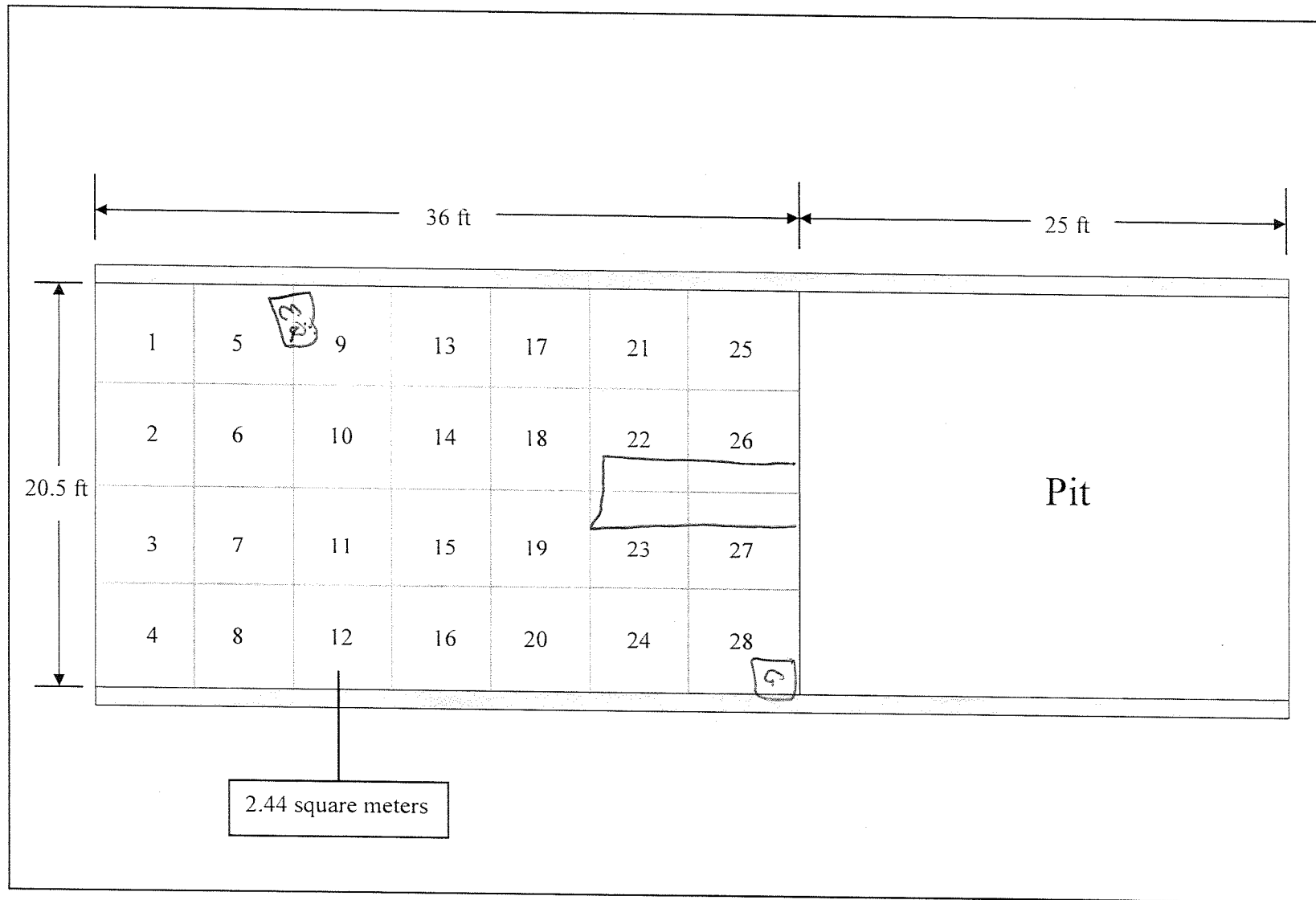
Cal. Date _____

Bkgd 870

F. Doors open, water in pit, debris on floor, floor wet
weeds under launcher

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



320

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 11:23 to 11:31

Shelter Number: 321

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1251

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 940

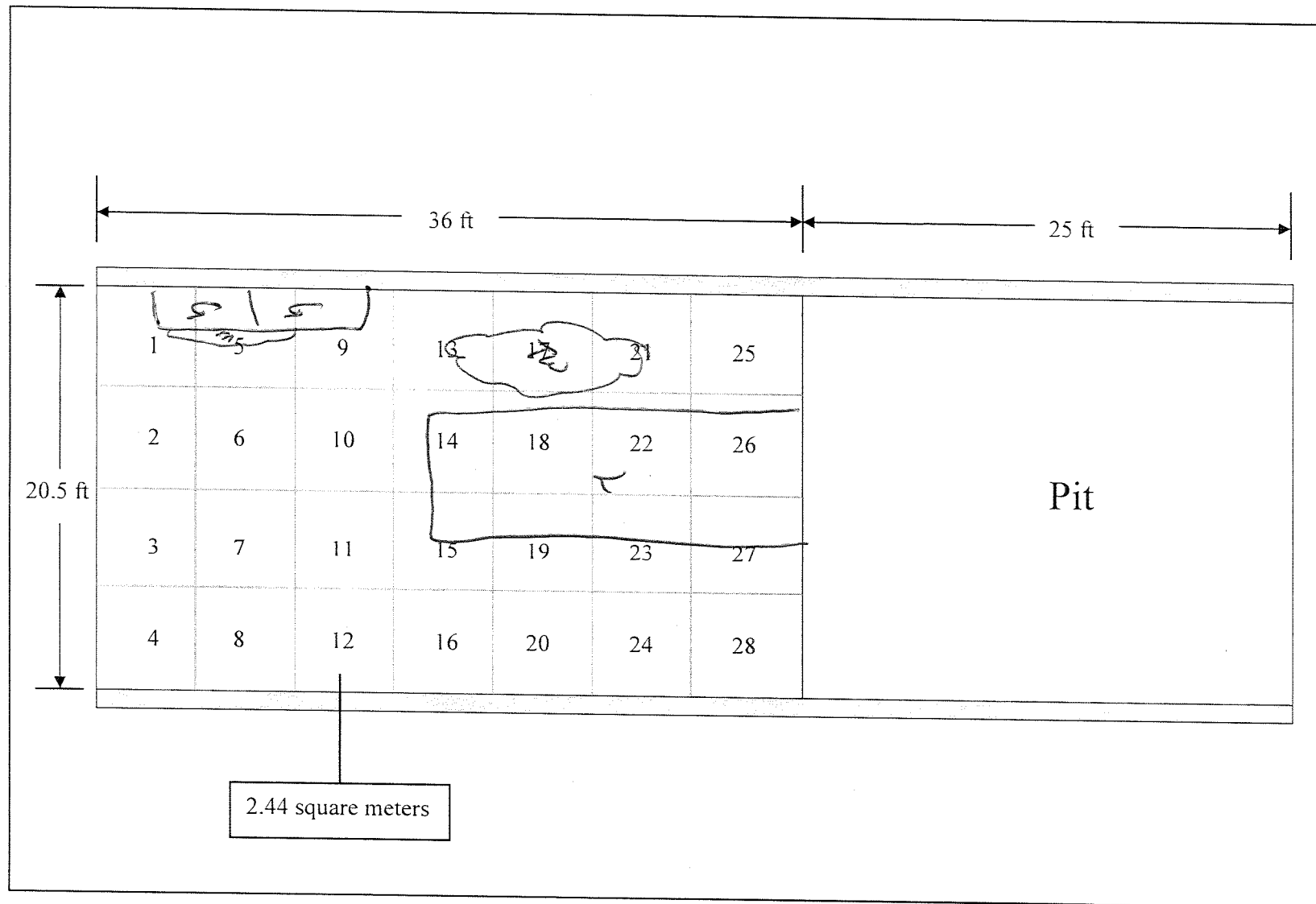
General Findings:

FRONT DOORS OPEN; FLOOR ^{DAMP} ~~WET~~; PIT WET 1 RUN⁴; MODERATE DIRT/DEBRIS
MOSS ON FLOOR UNDER GRATES LEFT SIDE

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



321

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 10 : 12 to 10 : 19

Shelter Number: 322

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1144

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 768

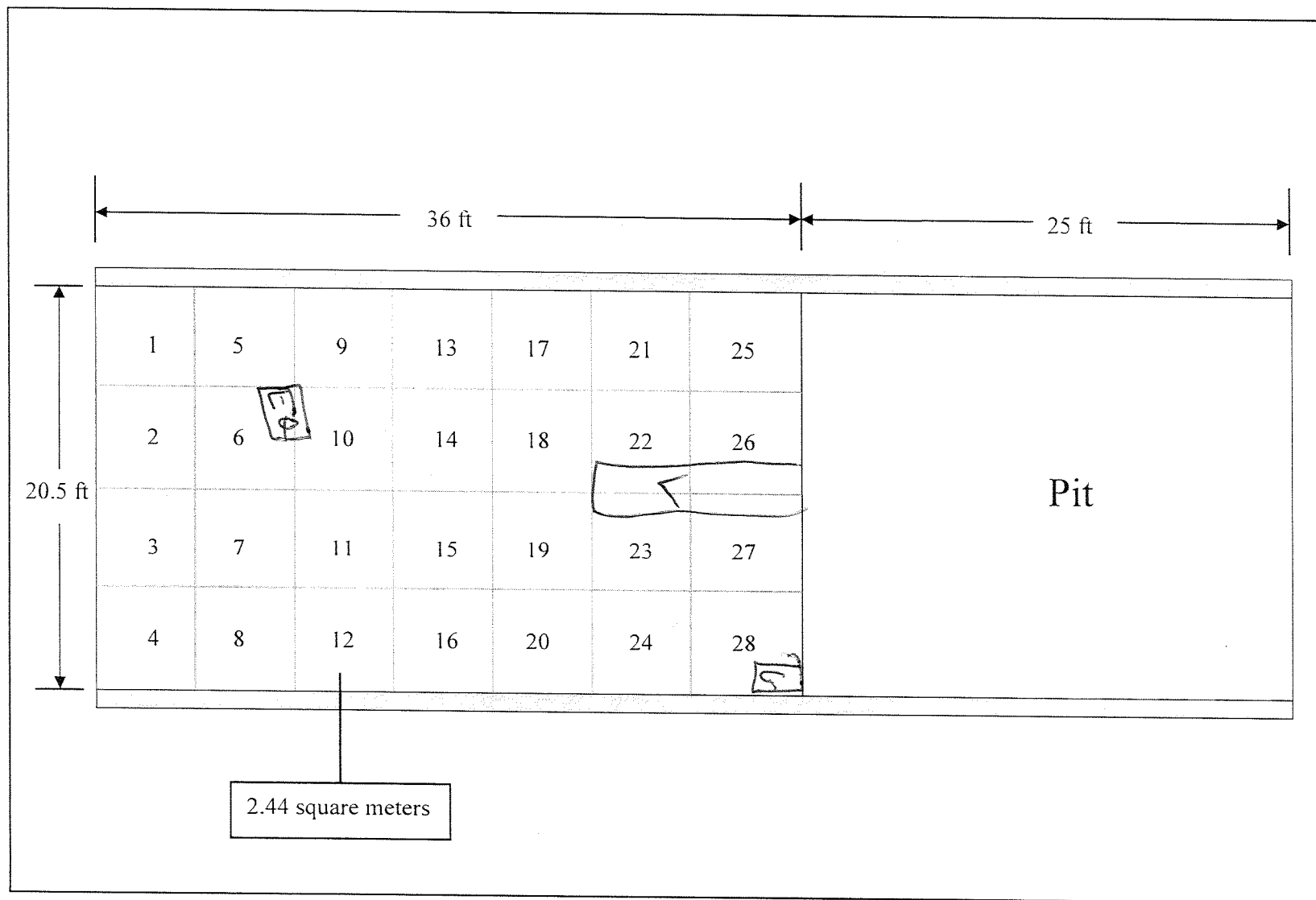
General Findings:

F. Doors open, water in pit, debris (weed) next to/under researcher

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



322

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 11:16 to 11:22

Shelter Number: 323

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
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Bkgd 1216

2) Meter / 2) Probe

Cal. Date	Cal. Date
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Bkgd 874

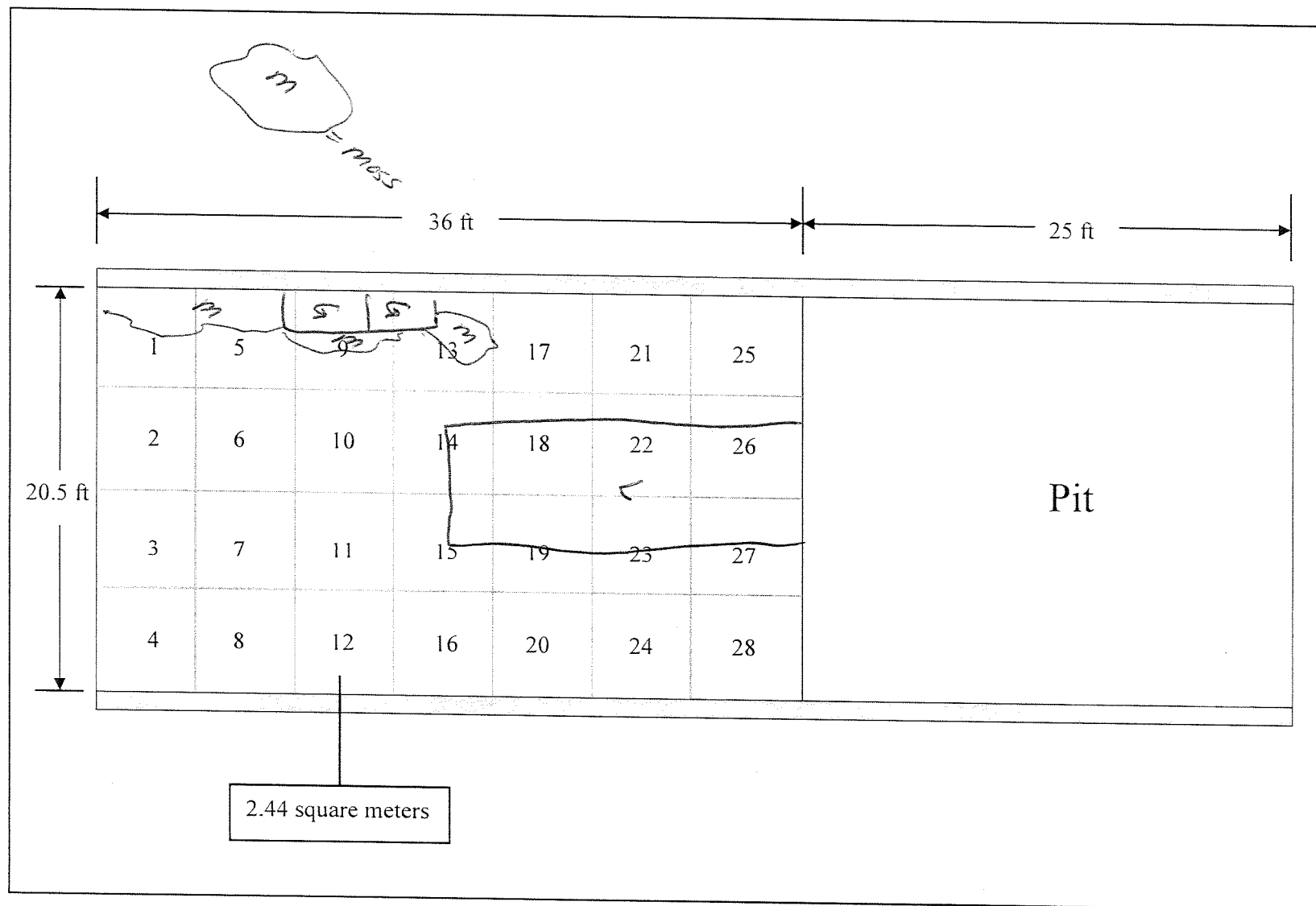
General Findings:

14) TIRE/WHEELS IN PIT; WATER 1 1/2 RUNGS; MODERATE DIRT/DEBRIS
MOSS ON FLOOR LEFT SIDE; FRONT DOORS OPEN; REAR CRACKED OPEN
FLOOR WET AT SIDES; DRY IN CENTER

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harcek, Valverde

Survey Time: 10 : 20 to 10 : 29

Shelter Number: 324

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1140

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 800

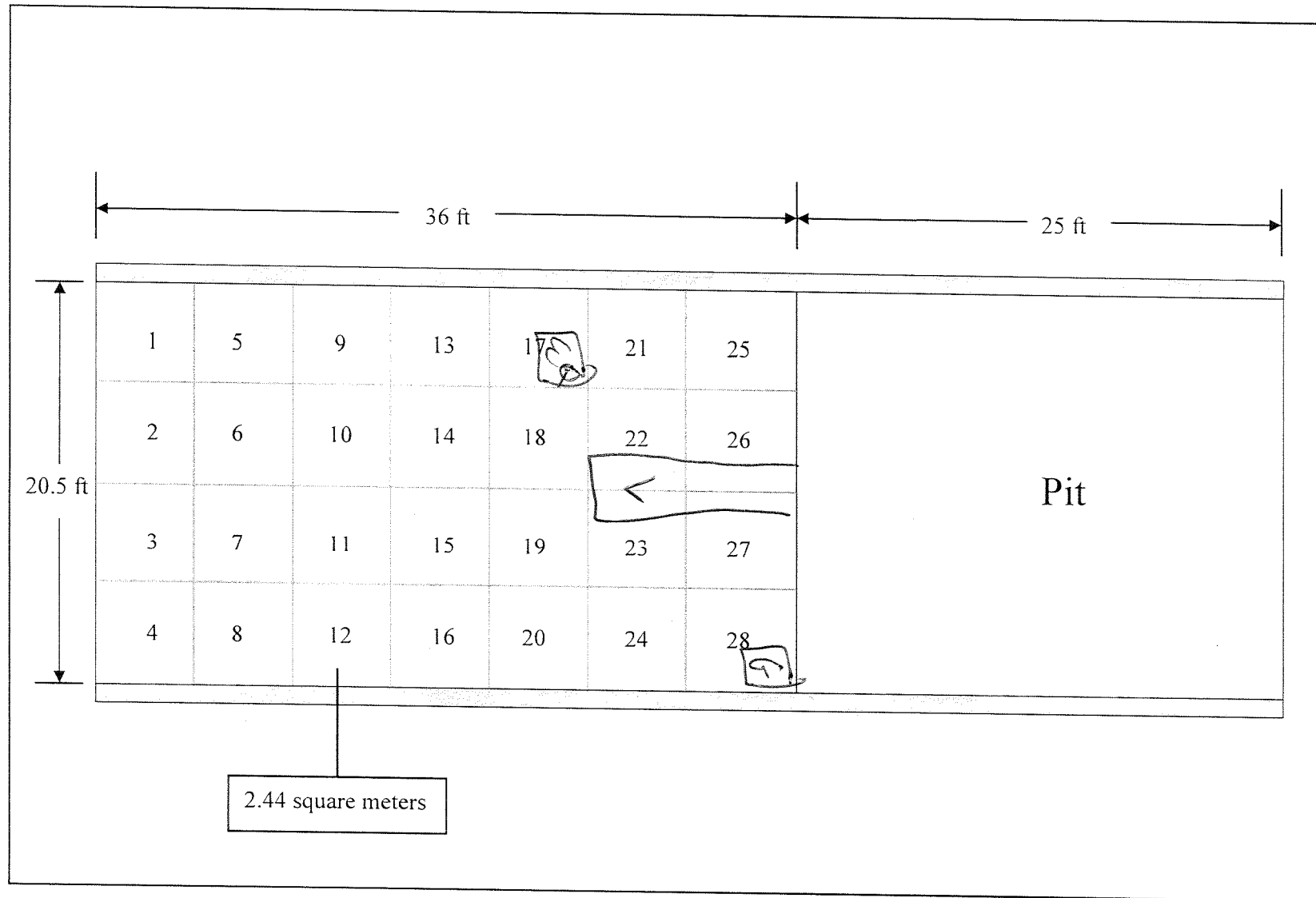
General Findings:

F. Deuren open, water in pit, floor wet, debris/weedcutter launcher

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



324

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Marcek, Valverde

Survey Time: 11 : 03 to 11 : 12

Shelter Number: 325

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1161

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 852

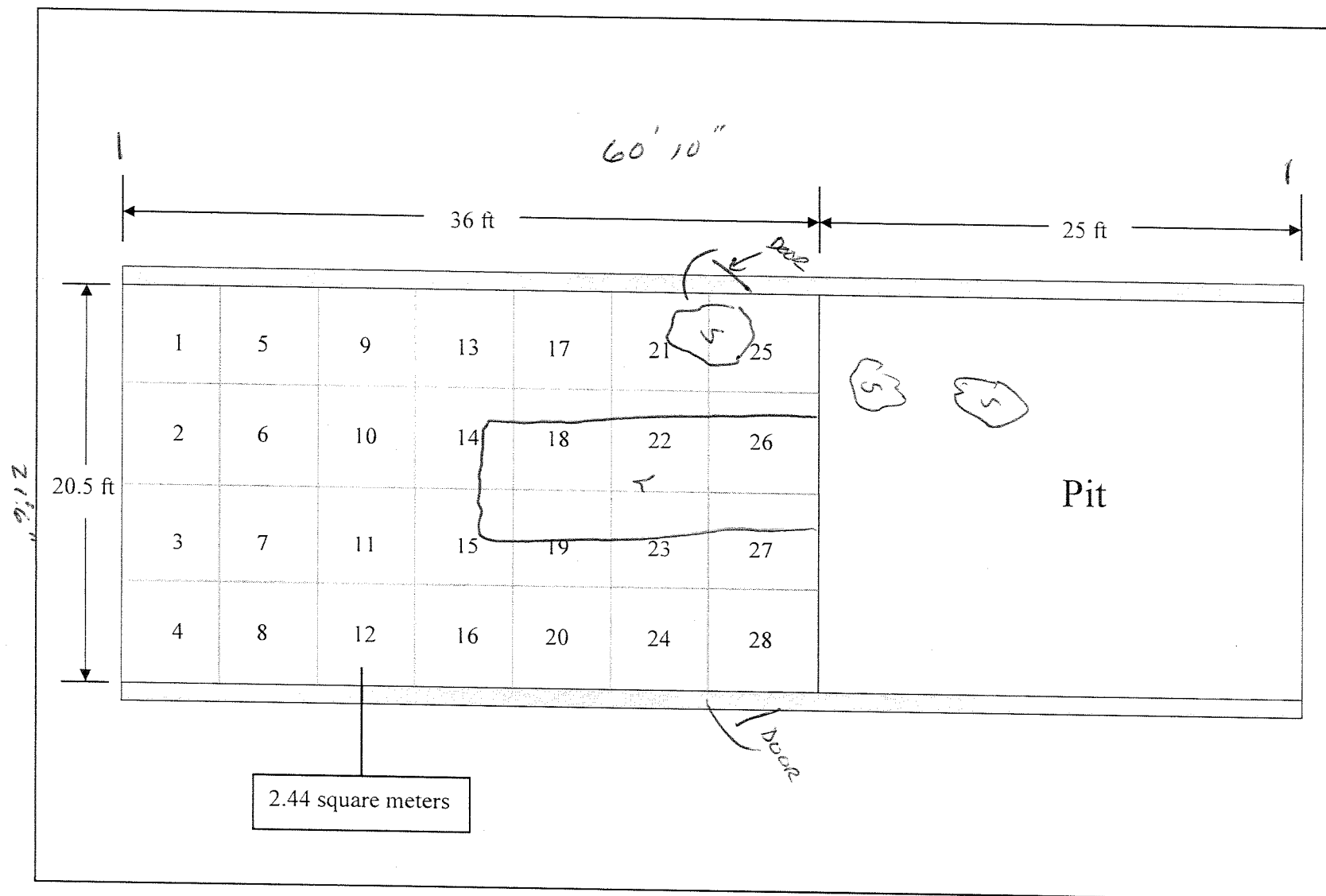
General Findings:

PIT WET TO FIRST RUNG; FLOOR DRY; ROOF CRACKED OPEN; FRONT DOORS OPEN

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 10:29 to 10:40

Shelter Number: 326

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 1170

2) Meter _____ 2) Probe _____

Cal. Date _____ Cal. Date _____

Bkgd 776

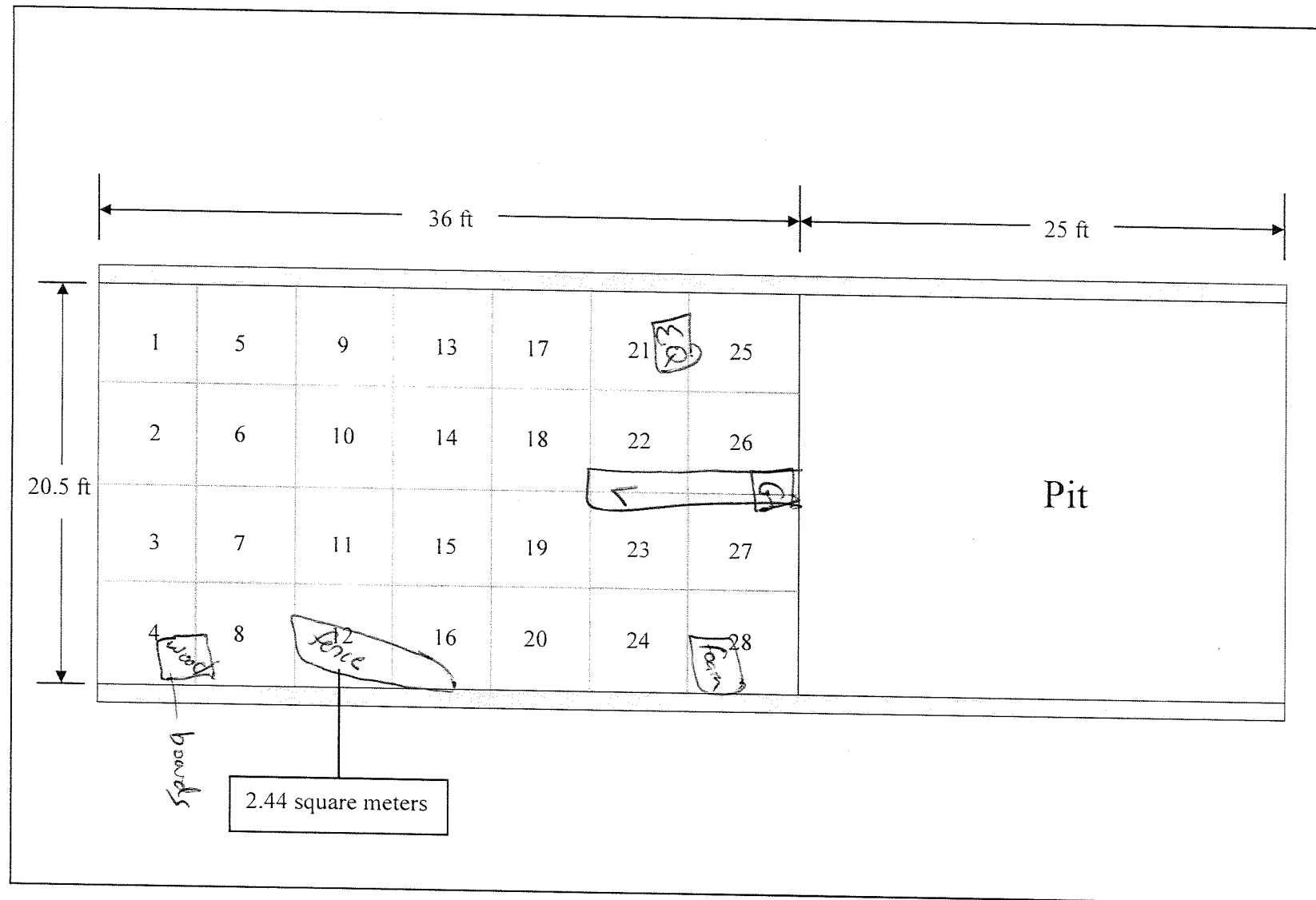
General Findings:

F, Doors open, water in pit, floor wet, debris (fence, boards, styrofoam)
boards & a small tree just outside front doorway

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



326

BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harceh, Valverde

Survey Time: 10:55 to 11:02

Shelter Number: 327

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
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Bkgd 1232

2) Meter _____ 2) Probe _____

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
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Bkgd 814

General Findings:

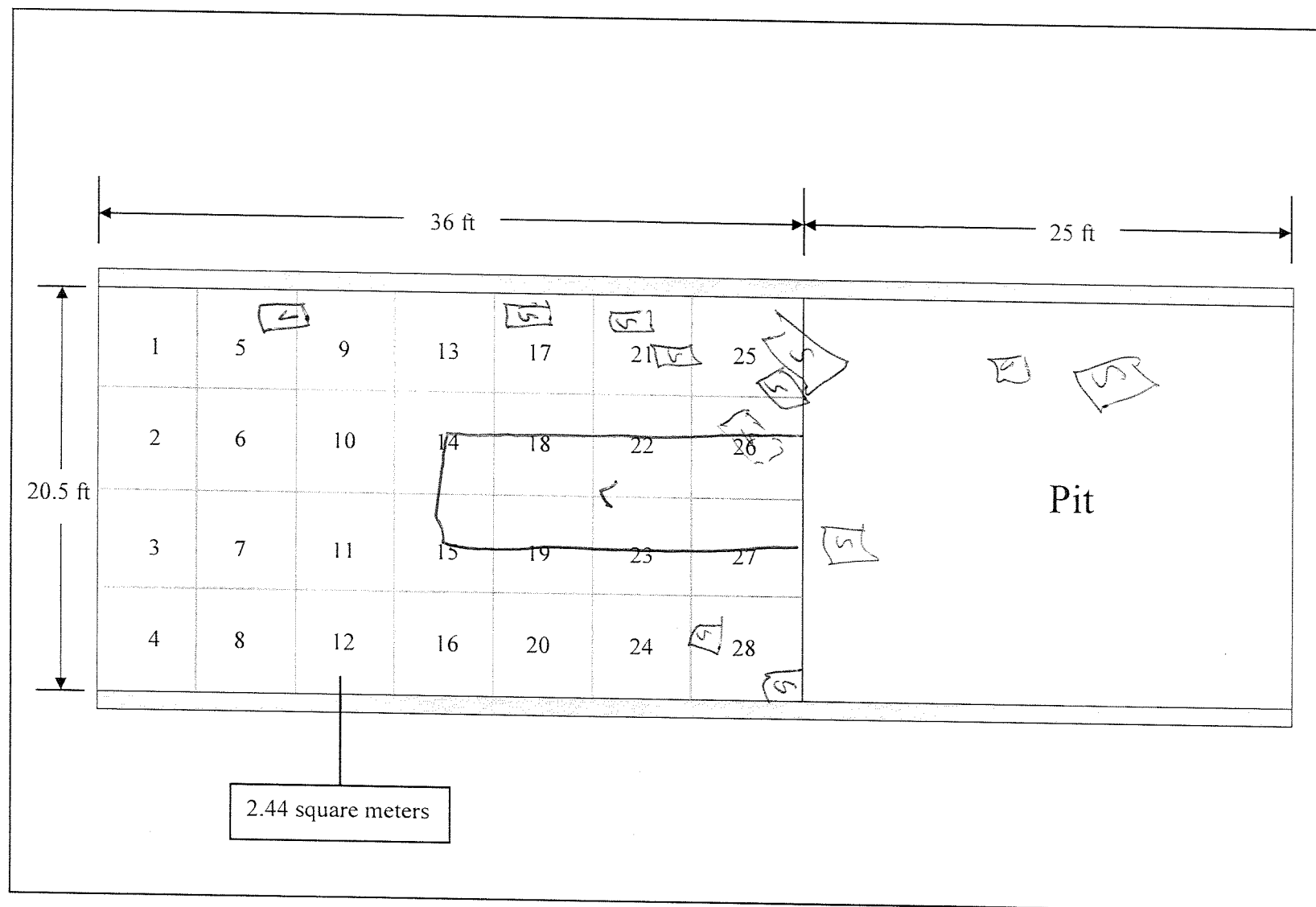
PIT w/ H₂O to 2.5 STEPS; STYROFOAM SPREAD THRU-OUT
VAC HOSE (V); FRONT DOORS OPEN, BACK OPEN; DIRT & ^{DEBRIS} ~~DEB~~ SPREAD
300 cpm diff btwn FLOOR/LEDGE RIGHT SIDE

Specific Findings:

[illegible]

327

300-Series Shelter (Solid-Fueled) Missiles



BOMARC Missile Shelter Radiological Data Form
(Type B Shelter, Solid-Fueled, 300 Series Shelters)

Survey Date: 5 Jun Survey Personnel: Hubbell, Harbeck, Valverde

Survey Time: 10:40 to 10:50 Shelter Number: 328

Survey Instruments: 1) Meter _____ 1) Probe _____

Cal. Date	Cal. Date
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Bkgd 1041

2) Meter 2) Probe

Cal. Date	Cal. Date
1900	1900
1901	1901
1902	1902
1903	1903
1904	1904
1905	1905
1906	1906
1907	1907
1908	1908
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Bkgd 804

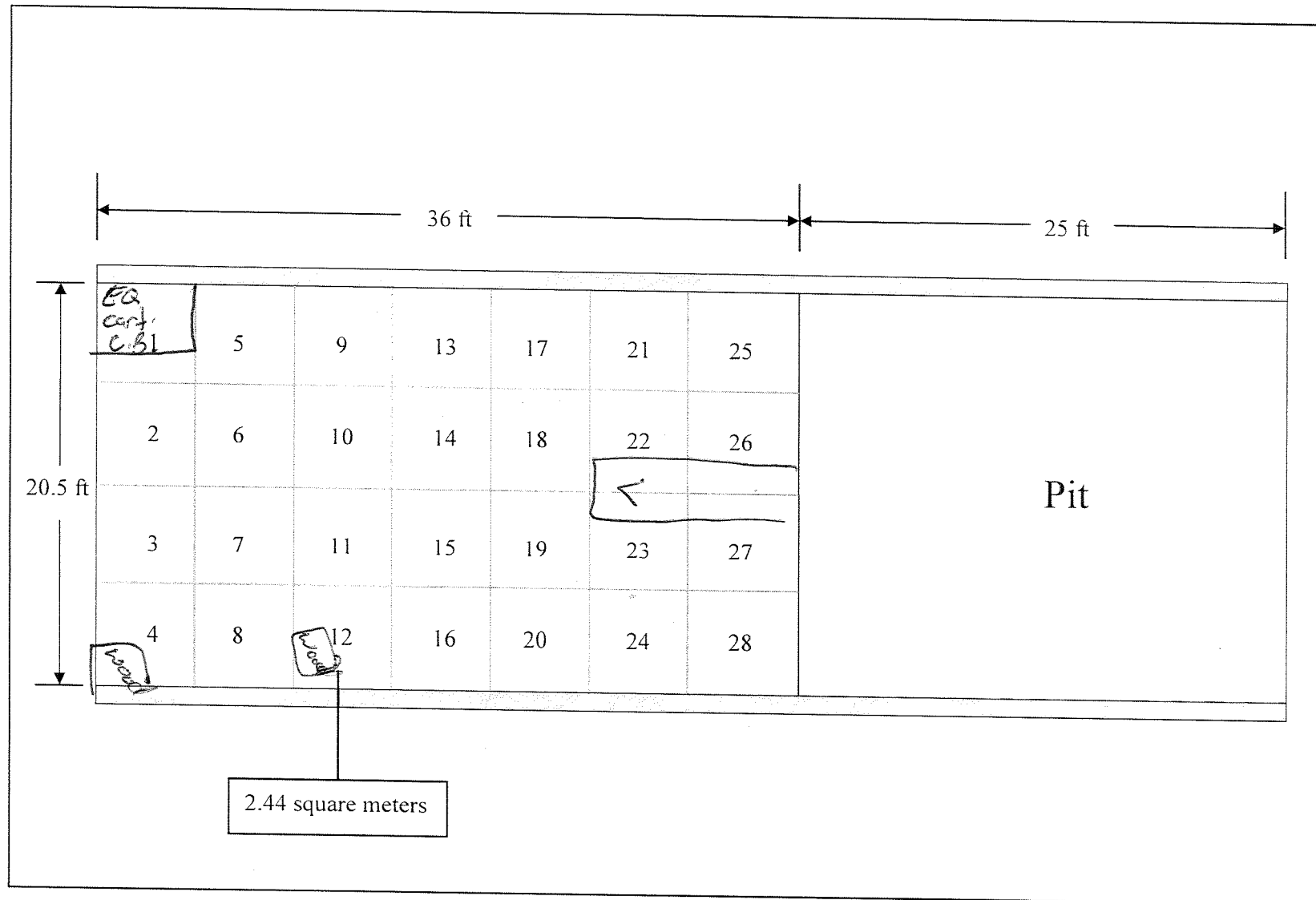
General Findings:

F. Doors open, water in pit, some of floor wet, debris (boards)
F. Left corner has cart / cardboard / Equipment.

Specific Findings:

[illegible]

300-Series Shelter (Solid-Fueled) Missiles



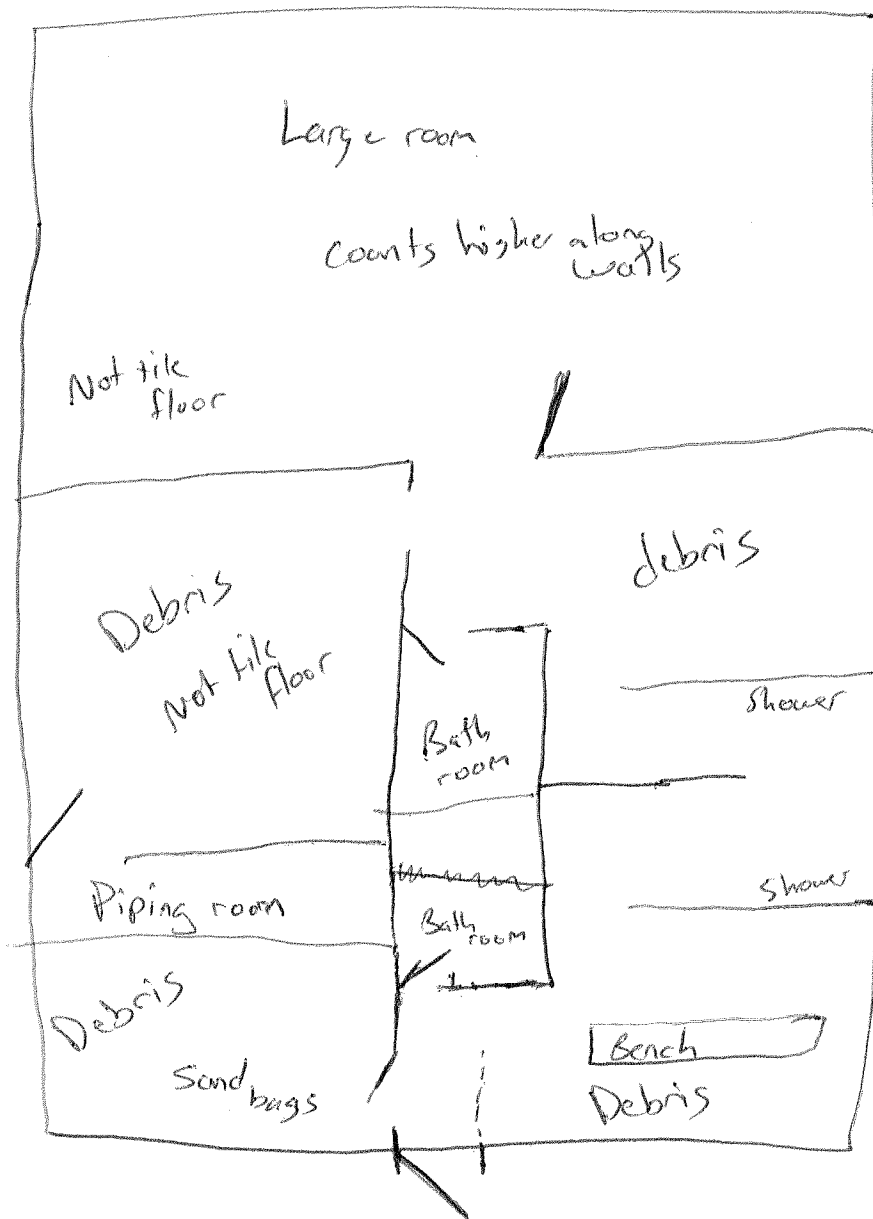
328

~~BOMARC Missile Shelter Radiological Data Form~~
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Bkgd

- sand from bags is higher ~ 6-7k cpm w/ #1
- tile on floor is elevated (norm) / toilet same
- 7k cpm on bench in front room w/ #1
- cinder block wall is high ~ 8k w/ #1
- 5500 over tile, 3500 over rear room floor

[illegible]



Road

~~BOMARC Missile Shelter Radiological Data Form~~
(Type A Shelter, Liquid-Fueled, 100 & 200 Series Shelters)

Survey Date: 30 Jul 07 Survey Personnel: Hubbell, Valverde, Smith

Survey Time: 15:25 to 15:40

Shelter Number:

Survey Instruments: 1) Meter Ludlum 2221 1) Probe S/N 60005-2900

Cal. Date 23 Jan 07

1) Probe S/N 60005-2900

Cal. Date

Bkgd 1790

Cal check 4582

2) Meter *Indikator 2221*

2) Probe 60004 0235

S/N ~~117924~~ 97839

Cal. Date 16 Apr 07

Cal. Date

Bkgd 1377

Cal check: 4481

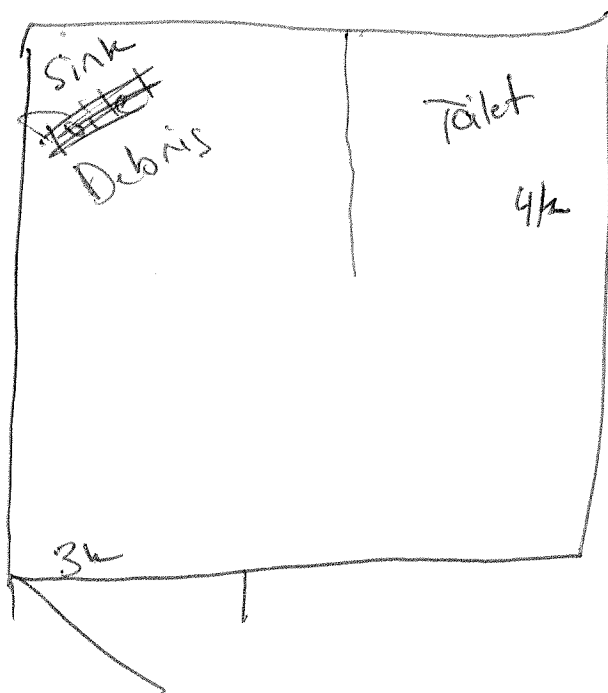
General Findings:

#1	Bat 5.4	HV 796	Thr 100	Win 100
#2	Bat 5.0	HV 895	Thr 96	Win 324 107

Survey done only w/ #1. 3k-4k but no single high areas
Cal check done with smoke detector source 2" from detector

Specific Findings:

[illegible]



Appendix M

Laboratory Wipe Data Forms

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Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704555

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071000

Serial # 210-01

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A GROSS ALPHA

3.94E-05 +/- 1.90E-06 MICROCURIES / SWIPE

EPA CODE N/A GROSS BETA

4.70E-06 +/- 6.00E-07 MICROCURIES / SWIPE

RESULTS EMAILED TO Lt Hubbell

DATE: 18-Jul-07 BY: WJW

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704556

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071001 Serial # 210-02

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.60E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704557

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071002

Serial # 210-03

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704558

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071003

Serial # 210-04

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

3.40E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704559

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071004 Serial # 210-05

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704560

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071005 Serial # 210-06

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704561

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071006 Serial # 210-07

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704562

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071007 Serial # 210-08

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704563

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071008 Serial # 210-09

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704564

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071009 Serial # 210-10

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704565

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071010 Serial # 210-11

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704566

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071011 Serial # 210-12

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704567

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071012 Serial # 210-13

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704568

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071013 Serial # 210-14

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704569

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071014

Serial # 210-15

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704570

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071015 Serial # 210-16

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704571

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071016 Serial # 210-17

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704572

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071017 Serial # 210-18

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704573

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071018

Serial # 210-19

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

3.60E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.20E-06 +/- 5.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704574

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071019 Serial # 210-20

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704575

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071020 Serial # 210-21

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704576

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071021 Serial # 210-22

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704577

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071022 Serial # 210-23

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704578

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071023 Serial # 210-24

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704579

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071024 Serial # 210-25

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704580

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071025 Serial # 210-26

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704581

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071026 Serial # 210-27

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.80E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704582

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071027 Serial # 210-28

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704583

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071028

Serial # 210-29

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.20E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704584

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071029 Serial # 210-30

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704585

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071030

Serial # 210-31

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

1.69E-05 +/- 1.20E-06 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.20E-06 +/- 5.00E-07 MICROCURIES / SWIPE

RESULTS EMAILED TO Lt Hubbell

DATE: 18-Jul-07 BY: WJW

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704586

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071031 Serial # 210-32

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704587

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071032 Serial # 210-33

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704588

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071033

Serial # 210-34

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.80E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704589

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071034

Serial # 210-35

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704590

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071035 Serial # 210-36

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704591

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071036 Serial # 210-37

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	2.40E-06 +/- 5.00E-07 MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704592

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071037 Serial # 210-39

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704593

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071038 Serial # 210-40

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704594

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071039 Serial # 210-41

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704595

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071040

Serial # 210-42

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704596

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071041 Serial # 210-43

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704597

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071042 Serial # 210-44

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704598

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071043 Serial # 210-47

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704599

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071044 Serial # 210-48

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 17-Jul-2007 Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704600

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071045	Serial #	210-4/8 BIAS
Workplace or Site ID	0121		
Date Collected	28-Jun-2007	Received	17-Jul-2007
		Completed	18-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704601

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071046

Serial # 210-6/7 BIAS

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.00E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704602

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071047

Serial # 210-16 BIAS

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 17-Jul-2007

Completed 18-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704720

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071048	Serial #	212-01		
Workplace or Site ID	0121				
Date Collected	28-Jun-2007	Received	20-Jul-2007	Completed	26-Jul-2007
Sample Volume	1 Swipe				

NO SWIPE IN CONTAINER

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704721

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071049 Serial # 212-02

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704722

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071050 Serial # 212-03

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704723

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071051 Serial # 212-04

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704724

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071052 Serial # 212-05

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704725

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071053 Serial # 212-06

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704726

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071054 Serial # 212-07

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704727

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071055 Serial # 212-08

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704728

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071056 Serial # 212-09

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704729

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071057 Serial # 212-10

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704730

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071058 Serial # 212-11

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704731

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071059 Serial # 212-12

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704732

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071060

Serial # 212-13

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704733

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071061 Serial # 212-14

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704734

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071062 Serial # 212-15

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704735

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071063

Serial # 212-16

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704736

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071064 Serial # 212-17

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704737

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071065 Serial # 212-18

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704738

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071066

Serial # 212-19

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704739

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071067 Serial # 212-20

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704740

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071068

Serial # 212-21

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704741

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071069

Serial # 212-22

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704742

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071070 Serial # 212-23

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704743

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071071 Serial # 212-24

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704744

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071072 Serial # 212-25

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704745

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071073

Serial # 212-26

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704746

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071074 Serial # 212-27

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704747

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071075 Serial # 212-28

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704748

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071076 Serial # 212-29

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704749

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071077 Serial # 212-30

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704750

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071078 Serial # 212-31

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704751

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071079	Serial #	212-32
Workplace or Site ID	0121		
Date Collected	28-Jun-2007	Received	23-Jul-2007
		Completed	24-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704752

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071080

Serial # 212-33

Workplace or Site ID 0121

Date Collected 28-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704753

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071081 Serial # 212-34

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704754

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071082 Serial # 212-35

Workplace or Site ID 0121

Date Collected 21-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704755

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071083 Serial # 212-36

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704756

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071084 Serial # 212-37

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704757

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071085 Serial # 212-39

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704758

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071086 Serial # 212-40

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704759

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071087 Serial # 212-41

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704760

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071088 Serial # 212-42

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704761

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071089 Serial # 212-43/45

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704762

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071090 Serial # 212-44

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704763

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071091 Serial # 212-47

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.30E-06 +/- 5.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704764

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071092 Serial # 212-48

Workplace or Site ID 0121

Date Collected 28-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704765

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071093	Serial #	214-01
Workplace or Site ID	0121		
Date Collected	29-Jun-2007	Received	20-Jul-2007
		Completed	24-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704766

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071094

Serial # 214-02

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704767

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071095 Serial # 214-03

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704768

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071096 Serial # 214-04

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704769

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071097 Serial # 214-05

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704770

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071098 Serial # 214-06

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704771

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071099 Serial # 214-07

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704772

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071100 Serial # 214-08

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704773

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071101 Serial # 214-09

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704774

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071102 Serial # 214-10

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704775

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071103

Serial # 214-11

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.60E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704776

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071104

Serial # 214-12

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704777

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071105 Serial # 214-13

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704778

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071106 Serial # 214-14

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704779

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071107 Serial # 214-15

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704780

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071108 Serial # 214-16

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704781

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071109 Serial # 214-17

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	2.30E-06 +/- 5.00E-07 MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704782

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071110

Serial # 214-18

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

1.60E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704783

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071111 Serial # 214-19

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704784

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071112 Serial # 214-20

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704785

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071113 Serial # 214-21

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704786

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071114

Serial # 214-22

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704787

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071115 Serial # 214-23

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704788

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071116 Serial # 214-24

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704789

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071117 Serial # 214-25

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704790

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071118 Serial # 214-26

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704791

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071119 Serial # 214-27

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704792

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071120 Serial # 214-28

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704793

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071121 Serial # 214-29

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704794

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071122 Serial # 214-30

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704795

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071123

Serial # 214-31

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704796

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071124

Serial # 214-32

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704797

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071125 Serial # 214-33

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704798

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071126

Serial # 214-34

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704799

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071127 Serial # 214-35

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704800

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071128

Serial # 214-36

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704801

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071129 Serial # 214-37

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704810

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071130 Serial # 208-01

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704811

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071131 Serial # 208-02

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704812

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071132

Serial # 208-03

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704813

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071133 Serial # 208-04

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704814

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071134	Serial #	208-05		
Workplace or Site ID	0121				
Date Collected	29-Jun-2007	Received	23-Jul-2007	Completed	24-Jul-2007
Sample Volume	1 Swipe				

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704815

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071135 Serial # 208-06

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704816

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071136 Serial # 208-07

Workplace or Site ID 0121

Date Collected 01-Jun-2907 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704817

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071137 Serial # 208-08

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704818

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071138 Serial # 208-09

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704819

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071139 Serial # 208-10

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704820

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071140

Serial # 208-11

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704821

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071141 Serial # 208-12

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704822

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071142 Serial # 208-13

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704823

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071143 Serial # 208-14

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704824

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071144

Serial # 208-15

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704825

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071145 Serial # 208-16

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704826

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071146 Serial # 208-17

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.10E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704827

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071147 Serial # 208-18

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704828

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071148

Serial # 208-19

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704829

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071149 Serial # 208-20

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704830

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071150 Serial # 208-21

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704831

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071151 Serial # 208-22

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704832

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071152 Serial # 208-23

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704833

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071153 Serial # 208-24

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704834

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071154

Serial # 208-25

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704835

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071155 Serial # 208-26

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704836

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071156 Serial # 208-27

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704837

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071157 Serial # 208-28

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704838

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071158 Serial # 208-29

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704839

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071159 Serial # 208-30

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704840

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071160

Serial # 208-31

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704841

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071161

Serial # 208-32

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704842

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071162

Serial # 208-33

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704843

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071163	Serial #	208-34
Workplace or Site ID	0121		
Date Collected	29-Jun-2007	Received	23-Jul-2007
		Completed	24-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704844

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071164

Serial # 208-35

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704845

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071165 Serial # 208-36

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704846

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071166 Serial # 208-37

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704847

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071167	Serial #	208-39		
Workplace or Site ID	0121				
Date Collected	29-Jun-2007	Received	23-Jul-2007	Completed	24-Jul-2007
Sample Volume	1 Swipe				

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E-06 +/- 4.00E-07	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704848

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071168 Serial # 208-40

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704849

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071169 Serial # 208-41

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704850

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071170 Serial # 208-42

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704851

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071171 Serial # 208-43

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704852

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071172 Serial # 208-44

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.80E-06 +/- 5.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704853

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071173 Serial # 208-47

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704854

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071174 Serial # 208-48

Workplace or Site ID 0121

Date Collected 29-Jun-2007 Received 23-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706182

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071422

Serial # 203-01

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706183

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071423

Serial # 203-02

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706184

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071424

Serial # 203-03

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706185

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071425

Serial # 203-04

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706186

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071426

Serial # 203-05

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706187

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071427

Serial # 203-06

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706188

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071428

Serial # 203-07

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706189

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071429

Serial # 203-08

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706190

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071430

Serial # 203-09

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706191

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071431

Serial # 203-10

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706192

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071432

Serial # 203-11

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706193

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071433

Serial # 203-12

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.00E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706194

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071434

Serial # 203-13

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.30E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.10E-06 +/- 5.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706195

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071435

Serial # 203-14

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

4.00E-06 +/- 6.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.70E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706196

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071436

Serial # 203-15

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706197

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071437

Serial # 203-16

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706198

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071438

Serial # 203-17

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706199

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071439

Serial # 203-18

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706200

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071440

Serial # 203-19

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706201

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071441

Serial # 203-20

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706202

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071442

Serial # 203-21

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706203

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071443

Serial # 203-22

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706204

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071444

Serial # 203-23

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706205

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071445

Serial # 203-24

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706206

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071446

Serial # 203-25

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706207

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071447

Serial # 203-26

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706208

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071448

Serial # 203-27

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706209

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071449

Serial # 203-28

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706210

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071450

Serial # 203-29

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706211

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071451

Serial # 203-30

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706212

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071452

Serial # 203-31

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706213

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071453

Serial # 203-32

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706214

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071454

Serial # 203-33

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706215

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071455 Serial # 203-34

Workplace or Site ID 0121

Date Collected 31-Jul-2007 Received 06-Aug-2007 Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706216

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071456

Serial # 203-35

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706217

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071457

Serial # 203-36

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706218

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071458

Serial # 203-37

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706219

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071459

Serial # 203-39

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706220

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071460

Serial # 203-40

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706221

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071461

Serial # 203-41

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706222

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071462

Serial # 203-42

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706223

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071463

Serial # 203-43

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706224

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071464

Serial # 203-44

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706225

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071465 Serial # 203-47

Workplace or Site ID 0121

Date Collected 31-Jul-2007 Received 06-Aug-2007 Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706226

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071466

Serial # 203-48

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706137

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071377

Serial # 201-01

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706138

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071378

Serial # 201-02

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706139

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071379

Serial # 201-03

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706140

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071380

Serial # 201-04

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.40E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706141

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071381

Serial # 201-05

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706142

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071382

Serial # 201-06

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706143

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071383 Serial # 201-07

Workplace or Site ID 0121

Date Collected 31-Jul-2007 Received 06-Aug-2007 Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706144

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071384

Serial # 201-08

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706145

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071385

Serial # 201-09

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706146

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071386

Serial # 201-10

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706147

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071387

Serial # 201-11

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706148

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071388

Serial # 201-12

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706149

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071389

Serial # 201-13

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706150

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071390

Serial # 201-14

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706151

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071391

Serial # 201-15

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706152

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071392

Serial # 201-16

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706153

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071393

Serial # 201-17

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706154

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071394

Serial # 201-18

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.10E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706155

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071395

Serial # 201-19

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706156

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071396

Serial # 201-20

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706157

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071397

Serial # 201-21

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706158

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071398

Serial # 201-22

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706159

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071399

Serial # 201-23

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706160

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071400

Serial # 201-24

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706161

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071401

Serial # 201-25

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706162

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071402

Serial # 201-26

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706163

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071403

Serial # 201-27

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706164

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071404

Serial # 201-28

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706165

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071405 Serial # 201-29

Workplace or Site ID 0121

Date Collected 31-Jul-2007 Received 06-Aug-2007 Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706166

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071406

Serial # 201-30

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706167

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071407

Serial # 201-31

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706168

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071408

Serial # 201-32

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706169

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071409

Serial # 201-33

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706170

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071410

Serial # 201-34

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706171

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071411

Serial # 201-35

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706172

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071412

Serial # 201-36

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

1.70E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706173

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071413

Serial # 201-37

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706174

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071414

Serial # 201-39

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706175

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071415

Serial # 201-40

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706176

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071416

Serial # 201-41

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706177

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071417

Serial # 201-42

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706178

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071418

Serial # 201-43

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706179

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071419

Serial # 201-44

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706180

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071420

Serial # 201-47

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706181

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071421

Serial # 201-48

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706129

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071369

Serial # 205-39

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706130

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071370

Serial # 205-40

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706131

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071371

Serial # 205-41

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706132

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071372

Serial # 205-42

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706133

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071373

Serial # 205-43

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.00E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706134

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071374

Serial # 205-44

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706135

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071375 Serial # 205-47

Workplace or Site ID 0121

Date Collected 31-Jul-2007 Received 06-Aug-2007 Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 17-Aug-2007

AFIOH/SDRR ID 40706136

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071376

Serial # 205-48

Workplace or Site ID 0121

Date Collected 31-Jul-2007

Received 06-Aug-2007

Completed 16-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704990

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071318 Serial # 205-01

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704991

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071319

Serial # 205-02

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704992

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071320

Serial # 205-03

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704993

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071321	Serial #	205-04
Workplace or Site ID	0121		
Date Collected	01-Jul-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704994

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071322

Serial # 205-05

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704995

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071323 Serial # 205-06

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704996

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071324 Serial # 205-07

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704997

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071325 Serial # 205-08

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704998

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071326

Serial # 205-09

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704999

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071327 Serial # 205-10

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705000

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071328

Serial # 205-11

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705001

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071329

Serial # 205-12

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705002

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071330

Serial # 205-13

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705003

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071331 Serial # 205-14

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705004

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071332

Serial # 205-15

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705005

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071333

Serial # 205-16

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705006

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071334 Serial # 205-17

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705007

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071335	Serial #	205-18
Workplace or Site ID	0121		
Date Collected	01-Jul-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705008

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071336 Serial # 205-19

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705009

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071337 Serial # 205-20

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705010

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071338

Serial # 205-21

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705011

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071339

Serial # 205-22

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705012

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071340

Serial # 205-23

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705013

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071341 Serial # 205-24

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705014

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071342

Serial # 205-25

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705015

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071343 Serial # 205-26

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705016

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071344 Serial # 205-27

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705017

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071345 Serial # 205-28

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705018

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071346

Serial # 205-29

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705019

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071347 Serial # 205-30

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705020

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071348

Serial # 205-31

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705021

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071349

Serial # 205-32

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705022

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071350

Serial # 205-33

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705023

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071351 Serial # 205-34

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705024

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071352 Serial # 205-35

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705025

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071353 Serial # 205-36

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40705026

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071354 Serial # 205-37

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704945

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071273 Serial # 209-01

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704946

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071274	Serial #	209-02
Workplace or Site ID	0121		
Date Collected	01-Jul-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704947

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071275 Serial # 209-03

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704948

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071276	Serial #	209-04
Workplace or Site ID	0121		
Date Collected	01-Jul-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704949

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071277 Serial # 209-05

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704950

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071278

Serial # 209-06

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704951

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071279 Serial # 209-07

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704952

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071280

Serial # 209-08

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704953

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071281 Serial # 209-09

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704954

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071282 Serial # 209-10

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704955

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071283

Serial # 209-11

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.80E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.10E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704956

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071284

Serial # 209-12

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

6.30E-06 +/- 7.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704957

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071285 Serial # 209-13

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704958

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071286 Serial # 209-14

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704959

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071287 Serial # 209-15

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704960

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071288

Serial # 209-16

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704961

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071289 Serial # 209-17

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704962

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071290

Serial # 209-18

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

3.60E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704963

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071291 Serial # 209-19

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704964

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071292	Serial #	209-20
Workplace or Site ID	0121		
Date Collected	01-Jul-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704965

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071293

Serial # 209-21

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704966

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071294

Serial # 209-22

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704967

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071295

Serial # 209-23

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704968

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071296

Serial # 209-24

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704969

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071297

Serial # 209-25

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704970

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071298

Serial # 209-26

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.80E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704971

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071299 Serial # 209-27

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704972

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071300

Serial # 209-28

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704973

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071301 Serial # 209-29

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704974

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071302 Serial # 209-30

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704975

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071303 Serial # 209-31

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704976

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071304

Serial # 209-32

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704977

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071305

Serial # 209-33

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.00E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704978

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071306

Serial # 209-34

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704979

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071307 Serial # 209-35

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704980

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071308

Serial # 209-36

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704981

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071309 Serial # 209-37

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704982

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071310 Serial # 209-39

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704983

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071311 Serial # 209-40

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704984

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071312 Serial # 209-41

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704985

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071313 Serial # 209-42

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704986

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071314

Serial # 209-43

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704987

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071315 Serial # 209-44

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704988

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071316 Serial # 209-47

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704989

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071317 Serial # 209-48

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704892

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071265 Serial # 211-39

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704893

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071266 Serial # 211-40

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704894

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071267 Serial # 211-41

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704895

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071268

Serial # 211-42

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704896

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071269

Serial # 211-43

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704897

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071270 Serial # 211-44

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704898

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071271 Serial # 211-47

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704899

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071272 Serial # 211-48

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704802

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071257 Serial # 214-39

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704803

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071258 Serial # 214-40

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704804

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071259 Serial # 214-41

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704805

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071260

Serial # 214-42

Workplace or Site ID 0121

Date Collected 01-Jul-2007

Received 20-Jul-2007

Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704806

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071261 Serial # 214-43

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704807

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071262 Serial # 214-44

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704808

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071263 Serial # 214-47

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704809

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071264 Serial # 214-48

Workplace or Site ID 0121

Date Collected 01-Jul-2007 Received 20-Jul-2007 Completed 24-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704900

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071212 Serial # 207-01

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704901

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071213 Serial # 207-02

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704902

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071214

Serial # 207-03

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704903

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071215 Serial # 207-04

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E-06 +/- 4.00E-07 MICROCURIES / SWIPE	

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704904

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071216 Serial # 207-05

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704906

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071217 Serial # 207-07

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704907

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071218 Serial # 207-08

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704908

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071219 Serial # 207-09

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704909

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071220 Serial # 207-10

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704910

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071221 Serial # 207-11

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704911

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071222

Serial # 207-12

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704912

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071223 Serial # 207-13

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704913

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071224

Serial # 207-14

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704914

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071225 Serial # 207-15

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704915

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071226	Serial #	207-16
Workplace or Site ID	0121		
Date Collected	30-Jun-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704916

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071227 Serial # 207-17

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704917

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071228

Serial # 207-18

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.60E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704918

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071229 Serial # 207-19

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704919

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071230 Serial # 207-20

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704920

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071231 Serial # 207-21

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704921

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071232

Serial # 207-22

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704922

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071233

Serial # 207-23

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704923

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071234	Serial #	207-24
Workplace or Site ID	0121		
Date Collected	30-Jun-2007	Received	24-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704924

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071235 Serial # 207-25

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704925

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071236

Serial # 207-26

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704926

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071237 Serial # 207-27

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704927

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071238

Serial # 207-28

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704928

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071239 Serial # 207-29

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704929

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071240

Serial # 207-30

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704930

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071241 Serial # 207-31

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704931

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071242 Serial # 207-32

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704932

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071243

Serial # 207-33

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704933

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071244

Serial # 207-34

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704934

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071245 Serial # 207-35

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704935

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071246

Serial # 207-36

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704936

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071247 Serial # 207-37

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704937

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071248 Serial # 207-39

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704938

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071249 Serial # 207-40

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704939

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071250 Serial # 207-41

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704940

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071251 Serial # 207-42

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704941

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071252 Serial # 207-43

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704942

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071253 Serial # 207-44

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704943

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071254 Serial # 207-47

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704944

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071255 Serial # 207-48

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704905

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071256 Serial # 207-06

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704870

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071190

Serial # 211-16

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704871

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071191 Serial # 211-17

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704872

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071192 Serial # 211-18

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704873

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071193

Serial # 211-19

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.50E-06 +/- 5.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704874

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071194 Serial # 211-20

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704875

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071195 Serial # 211-21

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704876

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071196

Serial # 211-22

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704877

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071197

Serial # 211-23

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704878

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071198 Serial # 211-24

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704879

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071199 Serial # 211-25

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704880

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071200

Serial # 211-26

Workplace or Site ID 0121

Date Collected 29-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

2.30E-06 +/- 4.00E-07 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.90E-06 +/- 4.00E-07 MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704881

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071201 Serial # 211-27

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704882

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071202 Serial # 211-28

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704883

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071203

Serial # 211-29

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704884

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071204 Serial # 211-30

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704885

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071205 Serial # 211-31

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704886

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071206

Serial # 211-32

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704887

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071207

Serial # 211-33

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704888

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071208

Serial # 211-34

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704889

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071209 Serial # 211-35

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704890

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071210

Serial # 211-36

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 24-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704891

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071211 Serial # 211-37

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 24-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704855

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071175 Serial # 211-01

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704856

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071176 Serial # 211-02

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704857

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071177 Serial # 211-03

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704858

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071178 Serial # 211-04

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704859

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071179 Serial # 211-05

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704860

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071180

Serial # 211-06

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704861

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071181 Serial # 211-07

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704862

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071182 Serial # 211-08

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704863

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample #	WW071183	Serial #	211-09
Workplace or Site ID	0121		
Date Collected	30-Jun-2007	Received	23-Jul-2007
		Completed	25-Jul-2007
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704864

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071184 Serial # 211-10

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704865

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071185 Serial # 211-11

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704866

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071186 Serial # 211-12

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704867

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071187

Serial # 211-13

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704868

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071188 Serial # 211-14

Workplace or Site ID 0121

Date Collected 30-Jun-2007 Received 23-Jul-2007 Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E-06	MICROCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E-06	MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 01-Aug-2007

AFIOH/SDRR ID 40704869

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071189

Serial # 211-15

Workplace or Site ID 0121

Date Collected 30-Jun-2007

Received 23-Jul-2007

Completed 25-Jul-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 19-Sep-2007

AFIOH/SDRR ID 40706529

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071477

Serial # 121-29

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 21-Aug-2007

Completed 22-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 19-Sep-2007

AFIOH/SDRR ID 40706530

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071478

Serial # 123-30

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 21-Aug-2007

Completed 22-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 19-Sep-2007

AFIOH/SDRR ID 40706531

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071479

Serial # 124-29

Workplace or Site ID 0121

Date Collected 13-Aug-2007

Received 21-Aug-2007

Completed 22-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E-06

MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E-06

MICROCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 19-Sep-2007

AFIOH/SDRR ID 40706532

Customer Address Code 0121 A

305 MXS/LGMD

2306 RADIN ROAD

MCGUIRE AFB

NJ 08641-5208

IDENTIFICATION

Base Sample # WW071484

Serial # 203-44/47

Workplace or Site ID 0121

Date Collected 15-Aug-2007

Received 21-Aug-2007

Completed 22-Aug-2007

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

1.76E-05 +/- 1.20E-06 MICROCURIES / SWIPE

EPA CODE N/A

GROSS BETA

2.70E-06 +/- 5.00E-07 MICROCURIES / SWIPE

EMAILED RESULTS TO LT COL RADEMACHER ON 22 AUG 07 @ 11:14-WJW

Biased Location - Shelter 203 - Cells 44/47 Border in Elevated Area

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902002

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092000	Serial #	208-1P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902003

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092001 Serial # 208-2P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902004

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092002 Serial # 208-3P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902005

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092003 Serial # 208-4P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902006

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092004 Serial # 208-5P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902007

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092005 Serial # 208-6P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902008

Customer Address Code 0253 K

AFIOH/SDRO

2350 Gillingham Drive

BROOKS City-Base

TX 782355103

IDENTIFICATION

Base Sample # WW092006

Serial # 208-7P

Workplace or Site ID 0253

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

< 2.00E+00

PICOCURIES / SWIPE

EPA CODE N/A

GROSS BETA

< 2.00E+00

PICOCURIES / SWIPE

EPA CODE N/A

GROSS GAMMA

< 5.00E+01

PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902009

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092007 Serial # 208-8P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902010

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092008 Serial # 208-9P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902011

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092009	Serial #	208-10P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902012

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092010 Serial # 201-1P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902013

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092011 Serial # 201-2P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902014

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092012	Serial #	201-3P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902015

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092013 Serial # 201-4P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902016

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092014 Serial # 201-5P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902017

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092015 Serial # 201-6P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902018

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092016

Serial # 201-7P

Workplace or Site ID 0121

Date Collected 03-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.60E+00 +/- 9.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902019

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092017

Serial # 201-8P

Workplace or Site ID 0121

Date Collected 03-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.60E+00 +/- 9.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.20E+00 +/- 1.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902020

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092018 Serial # 201-9P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 27-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902021

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092020	Serial #	203-1P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902022

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092021 Serial # 203-2P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902023

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092022	Serial #	203-3P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902024

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092023 Serial # 203-4P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902025

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092024 Serial # 203-5P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902026

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092025 Serial # 203-6P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902027

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092026 Serial # 203-7P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902028

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092027 Serial # 203-8P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902029

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092028 Serial # 203-9P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902030

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092029	Serial #	203-10P
Workplace or Site ID	0121		
Date Collected	03-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902031

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092030 Serial # 205-1P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902032

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092031 Serial # 205-2P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902033

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092032 Serial # 205-3P

Workplace or Site ID 0121

Date Collected 03-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902034

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092033 Serial # 205-4P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902035

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092034 Serial # 205-5P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902036

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092035 Serial # 205-6P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902037

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092036 Serial # 205-7P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902038

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092037 Serial # 205-8P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902039

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092038 Serial # 205-9P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902040

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092039	Serial #	205-10P
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902041

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092040

Serial # 209-1P

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A

GROSS ALPHA

8.60E+00 +/- 2.10E+00

PICOCURIES / SWIPE

EPA CODE N/A

GROSS BETA

1.50E+00 +/- 1.00E+00

PICOCURIES / SWIPE

EPA CODE N/A

GROSS GAMMA

< 5.00E+01

PICOCURIES / SWIPE

Results given to TSgt Powers 2 Apr 09 @ 1030 by WJW.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902042

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092041 Serial # 209-29

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902043

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092042 Serial # 209-3P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902044

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092043 Serial # 209-4P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902045

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092044 Serial # 209-5P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902046

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092045 Serial # 209-6P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902047

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092046 Serial # 209-7P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902048

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092047 Serial # 209-8P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902049

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092048 Serial # 209-9P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902050

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092049	Serial #	209-10P
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902051

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092050

Serial # 210-1P

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	3.10E+00 +/- 1.30E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902052

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # **WW092051**

Serial # **210-3P**

Workplace or Site ID 0121

Date Collected **05-Mar-2009**

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe (Post Remediation)

EPA CODE N/A	GROSS ALPHA	9.40E+00 +/- 2.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

Results given to TSgt Powers 2 Apr 09 @ 1030 by WJW.

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902053

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092052 Serial # 210-3P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902054

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # **WW092053** Serial # 210-7P

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe (Post Remediation)

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902055

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092054 Serial # 210-5P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902056

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092055 Serial # 210-6P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902057

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092056

Serial # 210-7P

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.70E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902058

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092057

Serial # 210-8P

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.30E+00 +/- 8.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902059

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092058 Serial # 210-9P

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902060

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092059	Serial #	210-10P
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902061

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092060	Serial #	102-1
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902062

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092061 Serial # 102-2

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902063

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092062	Serial #	102-3
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902064

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092063 Serial # 102-4

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902065

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092064 Serial # 102-5

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902066

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092065 Serial # 102-6

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902067

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092066 Serial # 102-7

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902068

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092067 Serial # 102-8

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902069

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092068 Serial # 102-9

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902070

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092069	Serial #	102-10
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902071

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092070	Serial #	102-11
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902072

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092071 Serial # 102-12

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902073

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092072 Serial # 102-13

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902074

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092073 Serial # 102-14

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902075

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092074	Serial #	102-15
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902076

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092075 Serial # 102-16

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902077

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092076	Serial #	102-17
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902078

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092077 Serial # 102-18

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902079

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092078	Serial #	102-19
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902080

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092079 Serial # 102-20

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902081

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092080

Serial # 102-21

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902082

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092081 Serial # 102-22

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902083

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092082

Serial # 102-23

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902084

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092083	Serial #	102-24
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902085

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092084	Serial #	102-25
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902086

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092085	Serial #	102-26
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902087

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092086 Serial # 102-27

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902088

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092087	Serial #	102-28
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902089

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092088	Serial #	102-29
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902090

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092089	Serial #	102-30
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902091

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092090

Serial # 102-31

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902092

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092091 Serial # 102-32

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902093

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092092

Serial # 102-33

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902094

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092093 Serial # 102-34

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902095

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092094	Serial #	102-35
Workplace or Site ID	0121		
Date Collected	21-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902096

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092095 Serial # 102-36

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902097

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092096 Serial # 102-37

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902098

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092097	Serial #	104-1
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902099

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092098 Serial # 104-2

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.50E+00 +/- 1.30E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902100

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092099 Serial # 104-3

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902101

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092100

Serial # 104-4

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	2.30E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902102

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092101 Serial # 104-5

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902103

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092102	Serial #	104-6
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	26-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902104

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092103

Serial # 104-7

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	3.50E+00 +/- 1.40E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902105

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092104 Serial # 104-8

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902106

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092105 Serial # 104-9

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902107

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092106 Serial # 104-10

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902108

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092107	Serial #	104-11
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902109

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092108	Serial #	104-12
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902110

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092109	Serial #	104-13
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902111

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092110 Serial # 104-14

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902112

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092111 Serial # 104-15

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902113

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092112 Serial # 104-16

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902114

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092113 Serial # 104-17

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902115

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092114 Serial # 104-18

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.80E+00 +/- 1.30E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902116

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092115 Serial # 104-19

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902117

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092116 Serial # 104-20

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 26-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902118

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092117 Serial # 104-21

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902119

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092118	Serial #	104-22
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902120

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092119	Serial #	104-23
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902121

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092120	Serial #	104-24
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902122

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092121	Serial #	104-25
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902123

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092122	Serial #	104-26
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902124

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092123 Serial # 104-27

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902125

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092124 Serial # 104-28

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902126

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092125 Serial # 104-29

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902127

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092126 Serial # 104-30

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902128

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092127 Serial # 104-31

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902129

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092128	Serial #	104-32
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902130

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092129	Serial #	104-33
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902131

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092130	Serial #	104-34
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902132

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092131 Serial # 104-35

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902133

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092132	Serial #	104-36
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902134

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092133 Serial # 104-37

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902135

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092134 Serial # 125-1

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902136

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092135 Serial # 125-2

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 27-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902137

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092136	Serial #	125-3
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902138

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092137 Serial # 125-4

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902139

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092139	Serial #	125-6
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902140

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092140 Serial # 125-7

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902141

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092141 Serial # 125-8

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902142

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092142 Serial # 125-9

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902143

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092143	Serial #	125-10
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902144

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092144	Serial #	125-11
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902145

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092145 Serial # 125-12

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902146

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092146

Serial # 125-13

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902147

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092147	Serial #	125-14
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902148

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092148

Serial # 125-15

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902149

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092149	Serial #	125-16
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902150

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092150 Serial # 125-17

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902151

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092151 Serial # 125-18

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902152

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092152 Serial # 125-19

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902153

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092153 Serial # 125-20

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902154

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092154 Serial # 125-21

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902155

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092155 Serial # 125-22

Workplace or Site ID 0121

Date Collected 04-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902156

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092156	Serial #	125-23
Workplace or Site ID	0121		
Date Collected	04-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902157

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092157 Serial # 125-24

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902158

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092158

Serial # 125-25

Workplace or Site ID 0121

Date Collected 04-Mar-2009

Received 17-Mar-2009

Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902159

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092159	Serial #	125-26
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.80E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902160

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092160	Serial #	125-27
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902161

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092161	Serial #	125-28
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	02-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902162

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092162 Serial # 125-29

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902163

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092163 Serial # 125-30

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 02-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902164

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092164	Serial #	125-31
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902165

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092165 Serial # 125-32

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902166

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092166	Serial #	125-33
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902167

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092167	Serial #	125-34
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902168

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092168

Serial # 125-35

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902169

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092169

Serial # 125-36

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902170

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092170	Serial #	125-37
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902171

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092171	Serial #	121-1
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902172

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092172 Serial # 121-2

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902173

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092173 Serial # 121-3

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902174

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092174

Serial # 121-4

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.30E+00 +/- 8.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.70E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902175

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092175 Serial # 121-5

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902176

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092176 Serial # 121-6

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902177

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092177 Serial # 121-7

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902178

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092178 Serial # 121-8

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902179

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092179 Serial # 121-9

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902180

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092180

Serial # 121-10

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.80E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.30E+00 +/- 1.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902181

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # **WW092181**

Serial # 121-11

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 27-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.40E+00 +/- 9.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.30E+00 +/- 1.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902182

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092182	Serial #	121-12
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902183

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092183

Serial # 121-13

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902184

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092184

Serial # 121-14

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902185

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092185 Serial # 121-15

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902186

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092186	Serial #	121-16
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902187

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092187	Serial #	121-17
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902188

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092188

Serial # 121-18

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902189

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092189	Serial #	121-19
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902190

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092190	Serial #	121-20
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902191

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092191	Serial #	121-21
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902192

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092192 Serial # 121-22

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902193

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092193

Serial # 121-23

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	2.20E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902194

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092194	Serial #	121-24
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902195

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092195	Serial #	121-25
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902196

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092196

Serial # 121-26

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902197

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092197

Serial # 121-27

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	2.50E+00 +/- 1.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902198

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092198

Serial # 121-28

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902199

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092199 Serial # 121-29

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902200

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092200	Serial #	121-30
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902201

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092201	Serial #	121-31
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902202

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092202	Serial #	121-32
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902203

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092203	Serial #	121-33
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902204

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092204	Serial #	121-34
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902205

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092205 Serial # 121-35

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902206

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092206	Serial #	121-36
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902207

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092207 Serial # 121-37

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902208

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092208 Serial # 126-1

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902209

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092209 Serial # 126-2

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902210

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092210 Serial # 126-3

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902211

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092211 Serial # 126-4

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902212

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092212 Serial # 126-5

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.50E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902213

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092213 Serial # 126-6

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902214

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092214 Serial # 126-7

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902215

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092215 Serial # 126-8

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902216

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092216 Serial # 126-9

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.20E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902217

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092217 Serial # 126-10

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902218

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092218

Serial # 126-11

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902219

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092219	Serial #	126-12
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902220

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092220

Serial # 126-13

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902221

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092221	Serial #	126-14
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902222

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092222	Serial #	126-15
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902223

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092223	Serial #	126-16
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.10E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902224

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092224 Serial # 126-17

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.60E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902225

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092225 Serial # 126-18

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902226

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092226 Serial # 126-19

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902227

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092227 Serial # 126-20

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.30E+00 +/- 1.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902228

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092228

Serial # 126-21

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902229

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092229	Serial #	126-22
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902230

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092230	Serial #	126-23
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902231

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092231 Serial # 126-24

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902232

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092232 Serial # 126-25

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902233

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092233	Serial #	126-26
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902234

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092234 Serial # 126-27

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	1.40E+00 +/- 1.10E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902235

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092235 Serial # 126-28

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902236

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092236 Serial # 126-29

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902237

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092237 Serial # 126-30

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902238

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092238

Serial # 126-31

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902239

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample #	WW092239	Serial #	126-32
Workplace or Site ID	0121		
Date Collected	05-Mar-2009	Received	17-Mar-2009
		Completed	03-Apr-2009
Sample Volume	1 Swipe		

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902240

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092240

Serial # 126-33

Workplace or Site ID 0121

Date Collected 05-Mar-2009

Received 17-Mar-2009

Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	1.30E+00 +/- 8.00E-01	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902241

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092241 Serial # 126-34

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902242

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092242 Serial # 126-35

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902243

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092243 Serial # 126-36

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

Sample Analysis Results Reported on 28-Apr-2009

AFIOH/SDRR ID 40902244

Customer Address Code 0121 Z

305 AMDS/SGPB

3457 Neely Rd

MCGUIRE AFB

NJ 08641-5312

IDENTIFICATION

Base Sample # WW092244 Serial # 126-37

Workplace or Site ID 0121

Date Collected 05-Mar-2009 Received 17-Mar-2009 Completed 03-Apr-2009

Sample Volume 1 Swipe

EPA CODE N/A	GROSS ALPHA	< 2.00E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS BETA	2.40E+00 +/- 1.20E+00	PICOCURIES / SWIPE
EPA CODE N/A	GROSS GAMMA	< 5.00E+01	PICOCURIES / SWIPE

RESULTS ACCURATE TO 2 SIGNIFICANT FIGURES.
UNCERTANTY AT 95% CONFIDENCY LEVEL.

If you have any questions concerning the information provided above, please contact AFIOH/SDRR at DSN 240-2061 or commercially at (210) 536-2061 or call ESOH Service Center at 1 888 232-3764.

STEVEN C. DEWEY, Major, USAF, B
Chief, Radioanalysis Branch

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